

Diary

1917.

William Brewster,
145 Brattle Street,
Cambridge,
Massachusetts, U.S.A.

Should this diary be
lost or stolen, anyone
finding and returning
it to the above address
would receive a liberal
reward.

THE
STANDARD

DIARY



FOR SALE BY ALL STATIONERS

PUBLISHED BY
THE STANDARD DIARY CO

FOR IDENTIFICATION.

My Name.....

My Residence.....

My Business Address

My Home Telephone.....

My Office Telephone.....

My Home Fire Alarm Box

My Office Fire Alarm Box

In case of accident or serious illness please notify

The make of my Automobile.....

Its Number.....

Number on case of my Watch ..

Number of the works.....

Number of my Bank Book ..

My Weight was.....On.....

Height.....feet.....inches.....

Size of Hat.....Gloves.....

" Hosiery.....Collar.....

" Cuffs.....Shoes.....

" Shirt.....Drawers.....

CALENDAR

1917

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
JAN.	..	1	2	3	4	5	6	JULY	1	2	3	4	5	6	7
	7	8	9	10	11	12	13		8	9	10	11	12	13	14
	14	15	16	17	18	19	20		15	16	17	18	19	20	21
	21	22	23	24	25	26	27		22	23	24	25	26	27	28
	28	29	30	31	..	..	..		29	30	31	..	..	..	..
FEB.	..	..	..	..	1	2	3	AUG.	..	..	..	1	2	3	4
	4	5	6	7	8	9	10		5	6	7	8	9	10	11
	11	12	13	14	15	16	17		12	13	14	15	16	17	18
	18	19	20	21	22	23	24		19	20	21	22	23	24	25
	25	26	27	28	..	..	..		26	27	28	29	30	31	..
	..	..	..	..	1	2	3		..	..	..	..	..	..	1
MAR.	4	5	6	7	8	9	10	SEPT.	2	3	4	5	6	7	8
	11	12	13	14	15	16	17		9	10	11	12	13	14	15
	18	19	20	21	22	23	24		16	17	18	19	20	21	22
	25	26	27	28	29	30	31		23	24	25	26	27	28	29
	..	..	..	..	..	..	..		30	..	..	..	..	..	..
APRIL	1	2	3	4	5	6	7	OCT.	..	1	2	3	4	5	6
	8	9	10	11	12	13	14		7	8	9	10	11	12	13
	15	16	17	18	19	20	21		14	15	16	17	18	19	20
	22	23	24	25	26	27	28		21	22	23	24	25	26	27
	29	30	..	..	..	..	..		28	29	30	31	..	..	..
	..	..	1	2	3	4	5		..	..	..	..	1	2	3
MAY	6	7	8	9	10	11	12	NOV.	4	5	6	7	8	9	10
	13	14	15	16	17	18	19		11	12	13	14	15	16	17
	20	21	22	23	24	25	26		18	19	20	21	22	23	24
	27	28	29	30	31	..	..		25	26	27	28	29	30	..
	..	..	..	..	..	1	2		..	..	..	..	..	..	1
JUNE	3	4	5	6	7	8	9	DEC.	2	3	4	5	6	7	8
	10	11	12	13	14	15	16		9	10	11	12	13	14	15
	17	18	19	20	21	22	23		16	17	18	19	20	21	22
	24	25	26	27	28	29	30		23	24	25	26	27	28	29
	..	..	..	..	..	..	..		30	31	..	..	..	..	..

CALENDAR

1918

	Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.		Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
JAN.	6	7	8	9	10	11	12		7	8	9	10	11	12	13
	13	14	15	16	17	18	19		14	15	16	17	18	19	20
	20	21	22	23	24	25	26		21	22	23	24	25	26	27
	27	28	29	30	31	..	..		28	29	30	31	..	..	..
FEB.	3	4	5	6	7	8	9		4	5	6	7	8	9	10
	10	11	12	13	14	15	16		11	12	13	14	15	16	17
	17	18	19	20	21	22	23		18	19	20	21	22	23	24
	24	25	26	27	28	..	..		25	26	27	28	29	30	31
	..	..	..	..	..	1	2		..	..	..	..	..	..	..
MAR.	3	4	5	6	7	8	9		1	2	3	4	5	6	7
	10	11	12	13	14	15	16		8	9	10	11	12	13	14
	17	18	19	20	21	22	23		15	16	17	18	19	20	21
	24	25	26	27	28	29	30		22	23	24	25	26	27	28
	31	..	..	..	..	..	..		29	30	..	..	..	..	..
APRIL	7	8	9	10	11	12	13		6	7	8	9	10	11	12
	14	15	16	17	18	19	20		13	14	15	16	17	18	19
	21	22	23	24	25	26	27		20	21	22	23	24	25	26
	28	29	30	..	..	..	..		27	28	29	30	31	..	..
	..	..	..	1	2	3	4		..	..	..	..	..	1	2
MAY	5	6	7	8	9	10	11		3	4	5	6	7	8	9
	12	13	14	15	16	17	18		10	11	12	13	14	15	16
	19	20	21	22	23	24	25		17	18	19	20	21	22	23
	26	27	28	29	30	31	..		24	25	26	27	28	29	30
	..	..	..	..	..	..	1		..	..	..	..	..	..	..
JUNE	2	3	4	5	6	7	8		1	2	3	4	5	6	7
	9	10	11	12	13	14	15		8	9	10	11	12	13	14
	16	17	18	19	20	21	22		15	16	17	18	19	20	21
	23	24	25	26	27	28	29		22	23	24	25	26	27	28
	30	..	..	..	..	..	..		29	30	31	..	..	..	..

RATES OF POSTAGE.

Official at time of printing. As changes are expected inquire at P. O.

United States and Possessions, Canada, Mexico, Cuba, and Shanghai, China.

First Class (letters, etc.)	per ounce	2c
Second " (newspapers, periodicals)	4 "	1c
Third " (all circulars and miscellaneous printed matter. Miscellaneous printed matter over 4 lbs. subject to 4th class rates)	2 "	1c
Fourth " (merchandise, books, etc.) see Parcel Post		
Registration Fee (extra postage)		10c
Special Delivery (" ")		10c
Postal Cards (reply cards 2c)		1c
Local or Drop Letters (where no free delivery)	"	1c
Postal Savings Bank (inquire at P. O.)		

MONEY ORDERS.—For sums not exceeding \$2.50, 3 cents; over \$2.50 to \$5, 5 cents; over \$5 to \$10, 8 cents; over \$10 to \$20, 10 cents; over \$20 to \$30, 12 cents; over \$30 to \$40, 15 cents; over \$40 to \$50, 18 cents; over \$50 to \$60, 20 cents; over \$60 to \$75, 25 cents; over \$75 to \$100, 30 cents.

REFORWARDING.—Letters will be forwarded from one post office to another upon the *written* request of the *person addressed*, without additional charge; but unclaimed packages *cannot be returned to the sender* until stamps are furnished to pay the return postage.

PARCEL POST, for United States and Possessions.
(Inquire at Post Office.)

Owing to frequent changes in rates, weights, etc., we deem it impracticable to attempt to give accurate information.

Postage to Foreign Countries.

Letters for Canada, Cuba, Mexico, British Isles, Newfoundland, Republic of Panama; U. S. Postal Agency at Shanghai, China; Leeward Islands; Bahamas; British Honduras; Dutch West Indies, Dutch St. Martins; Barbadoes, and Dutch Guiana	per ounce	2c
" for Germany (if sent by German steamer 2c per oz.)	"	5c
" for other countries	"	5c
	each additional ounce or fraction	3c
Postal cards (reply cards, 4c)		2c
Newspapers and printed matter	2 ounces	1c
Samples merchandise	first 4 "	2c
	every additional 2 "	1c
Commercial papers	first 10 ounces or fraction	5c
	every additional 2 ounces	1c
Registration Fee (extra postage)		10c
Reply Coupons (to prepay return letter) inquire at P. O.		
Parcels Post (inquire at P. O.)	per lb.	12c
Money Orders (inquire at P. O.)		

POPULATION OF THE UNITED STATES.

*Estimated Population July 1, 1915, based upon Federal Censuses of 1900 and 1910.

	*1915	1910
Alabama.....	2,301,277	2,138,093
Arizona.....	247,299	204,354
Arkansas.....	1,713,102	1,574,449
California.....	2,848,275	2,377,549
Colorado.....	935,799	799,024
Connecticut.....	1,223,583	1,114,756
Delaware.....	211,598	202,322
District of Columbia.....	358,679	331,069
Florida.....	870,802	752,619
Georgia.....	2,816,289	2,609,121
Idaho.....	411,996	325,594
Illinois.....	6,069,519	5,638,591
Indiana.....	2,798,142	2,700,876
Iowa.....	2,221,038	2,224,771
Kansas.....	1,807,221	1,690,949
Kentucky.....	2,365,185	2,289,905
Louisiana.....	1,801,306	1,656,388
Maine.....	767,638	742,371
Maryland.....	1,351,941	1,294,450
Massachusetts.....	2,364,822	3,366,416
Michigan.....	3,015,442	2,810,173
Minnesota.....	2,246,761	2,075,708
Mississippi.....	1,926,778	1,797,114
Missouri.....	3,391,789	3,293,335
Montana.....	446,054	376,053
Nebraska.....	1,258,624	1,192,214
Nevada.....	102,730	81,875
New Hampshire.....	440,584	430,572
New Jersey.....	2,881,840	2,537,167
New Mexico.....	396,917	327,396
New York.....	10,086,568	9,113,614
North Carolina.....	2,371,095	2,206,287
North Dakota.....	713,083	577,056
Ohio.....	5,088,627	4,767,121
Oklahoma.....	2,114,307	1,657,155
Oregon.....	809,490	672,765
Pennsylvania.....	8,383,992	7,665,111
Rhode Island.....	259,986	542,674
South Carolina.....	1,607,745	1,515,400
South Dakota.....	680,046	583,888
Tennessee.....	2,271,379	2,184,789
Texas.....	4,343,710	3,896,542
Utah.....	424,300	373,351
Vermont.....	362,452	355,956
Virginia.....	2,171,014	2,061,612
Washington.....	1,471,043	1,141,990
West Virginia.....	1,359,474	1,221,119
Wisconsin.....	2,473,533	2,333,860
Wyoming.....	174,148	145,965
Alaska.....		64,356
Hawaii.....		191,909
Porto Rico.....		1,118,012
Military and Naval.....		55,608
United States.....	100,378,022	93,401,414

§ State Census 1915.

POPULATION OF PRINCIPAL CITIES.

	1910	1900
Akron, O.	69,067	42,728
Albany, N. Y.	100,253	94,151
Allentown, Pa.	51,913	35,416
Altoona, Pa.	52,127	38,973
Atlanta, Ga.	154,839	89,872
Atlantic City, N. J.	44,461	27,838
Augusta, Ga.	41,040	39,441
Baltimore, Md.	558,485	508,957
Bay City, Mich.	45,166	27,628
Bayonne, N. J.	55,545	32,722
Binghamton, N. Y.	48,443	39,647
Birmingham, Ala.	132,685	38,415
Boston, Mass.	670,585	560,892
Bridgeport, Conn.	102,054	70,996
Brockton, Mass.	56,878	40,063
Brooklyn, N. Y.	1,634,351	1,166,582
Buffalo, N. Y.	423,715	352,387
Butte, Mont.	39,165	30,470
Cambridge, Mass.	104,839	91,886
Camden, N. J.	94,538	75,935
Canton, O.	50,217	30,667
Charleston, S. C.	58,833	55,807
Chattanooga, Tenn.	44,604	30,154
Chelsea, Mass.	32,452	34,072
Chester, Pa.	38,537	33,988
Chicago, Ill.	2,185,283	1,698,575
Cincinnati, O.	364,463	325,902
Cleveland, O.	560,663	381,768
Columbus, O.	181,548	125,560
Council Bluffs, Ia. . .	29,292	25,802
Covington, Ky.	53,270	42,938
Dallas, Tex.	92,104	42,638
Davenport, Ia.	43,028	35,254
Dayton, O.	116,577	85,333
Denver, Col.	213,381	133,859
Des Moines, Ia.	86,368	62,139
Detroit, Mich.	465,766	285,704
Dubuque, Ia.	38,494	36,297
Duluth, Minn.	78,466	52,969
East St. Louis, Ill.	58,547	29,655
Elizabeth, N. J.	73,409	52,130
Elmira, N. Y.	37,176	35,672
Erie, Pa.	66,525	52,733
Evansville, Ind.	69,647	59,007
Fall River, Mass.	119,295	104,863
Fitchburg, Mass.	37,826	31,531
Fort Wayne, Ind.	63,933	45,115
Fort Worth, Tex.	73,312	26,688
Galveston, Tex.	36,981	37,789
Gloucester, Mass.	24,398	26,121
Grand Rapids, Mich.	112,571	87,565
Hamilton, O.	35,279	23,914
Harrisburg, Pa.	64,186	50,167
Hartford, Conn.	98,915	79,850
Haverhill, Mass.	44,115	37,175
Hoboken, N. J.	70,324	59,364

POPULATION OF PRINCIPAL CITIES.—CONTINUED.

	1910	1900
Holyoke, Mass.	57,730	45,712
Houston, Tex.	78,800	44,633
Indianapolis, Ind.	233,650	169,164
Jackson, Mich.	31,433	25,180
Jacksonville, Fla.	57,699	28,429
Jersey City, N. J.	267,779	206,433
Johnstown, Pa.	55,482	35,936
Joliet, Ill.	34,670	29,353
Kalamazoo, Mich.	39,437	24,404
Kansas City, Kan.	82,331	51,418
Kansas City, Mo.	248,581	163,752
Knoxville, Tenn.	36,346	32,637
La Crosse, Wis.	30,417	28,895
Lancaster, Pa.	47,227	41,459
Lawrence, Mass.	85,892	62,559
Lexington, Ky.	35,099	26,369
Lincoln, Neb.	43,973	40,169
Little Rock, Ark.	45,941	38,307
Los Angeles, Cal.	319,198	102,479
Louisville, Ky.	223,928	204,731
Lowell, Mass.	106,294	94,969
Lynn, Mass.	89,336	68,513
Macon, Ga.	40,665	23,272
Madison, Wis.	25,531	19,164
Malden, Mass.	44,404	33,664
Manchester, N. H.	70,063	56,987
McKeesport, Pa.	42,694	34,227
Memphis, Tenn.	131,105	102,320
Meriden, Conn.	27,265	24,296
Milwaukee, Wis.	373,857	285,315
Minneapolis, Minn.	301,408	202,718
Mobile, Ala.	51,521	38,469
Montgomery, Ala.	38,136	30,346
Nashville, Tenn.	110,364	80,865
Newark, N. J.	347,469	246,070
New Bedford, Mass.	96,652	62,442
New Britain, Conn.	43,916	25,998
Newcastle, Pa.	36,280	28,339
New Haven, Conn.	133,605	108,027
New Orleans, La.	339,075	287,104
Newton, Mass.	39,806	33,587
New York, N. Y.	4,766,883	3,437,202
Niagara Falls, N. Y.	30,445	19,457
Norfolk, Va.	67,452	46,624
Oakland, Cal.	150,174	66,960
Oklahoma City, Okla.	64,205	10,037
Omaha, Neb.	124,096	102,555
Pasadena, Cal.	30,291	9,117
Passaic, N. J.	54,773	27,777
Paterson, N. J.	125,600	105,171
Pawtucket, R. I.	51,622	39,231
Peoria, Ill.	66,950	56,100
Perth Amboy, N. J.	32,121	17,699
Philadelphia, Pa.	1,549,008	1,293,697
Pittsburg and Allegheny, Pa.	533,905	451,512
Portland, Me.	58,571	50,145
Portland, Ore.	207,214	90,426

POPULATION OF PRINCIPAL CITIES.—CONTINUED.

	1910	1900
Providence, R. I.	224,326	175,597
Pueblo, Col.	44,395	28,157
Quincy, Ill.	36,587	36,252
Quincy, Mass.	32,642	23,899
Racine, Wis.	38,002	29,102
Reading, Pa.	96,071	78,961
Richmond, Va.	127,628	85,050
Rochester, N. Y.	218,149	162,608
Rockford, Ill.	45,401	31,051
Rutland, Vt.	13,546	11,499
Sacramento, Cal.	44,696	29,282
Saginaw, Mich.	50,510	42,345
Saint Joseph, Mo.	77,403	102,979
Saint Louis, Mo.	687,029	575,238
Saint Paul, Minn.	214,744	163,065
Salem, Mass.	43,697	35,956
Salt Lake City, Utah.	92,777	53,531
San Antonio, Tex.	96,614	53,321
San Diego, Cal.	39,578	17,700
San Francisco, Cal.	416,912	342,782
San Jose, Cal.	28,946	21,500
Savannah, Ga.	65,064	54,244
Schenectady, N. Y.	72,826	31,682
Scranton, Pa.	129,867	102,026
Seattle, Wash.	237,194	80,671
Sioux City, Ia.	47,828	33,111
Somerville, Mass.	77,236	61,643
South Bend, Ind.	53,684	35,999
Spokane, Wash.	104,402	36,848
Springfield, Ill.	51,678	34,159
Springfield, Mass.	88,926	62,059
Springfield, O.	46,921	38,253
Superior, Wis.	40,384	*36,551
Syracuse, N. Y.	137,249	108,374
Tacoma, Wash.	83,743	37,714
Tampa, Fla.	37,782	15,839
Taunton, Mass.	34,259	31,036
Terre Haute, Ind.	58,157	36,673
Toledo, O.	168,497	131,822
Topeka, Kan.	43,684	33,608
Trenton, N. J.	96,815	73,307
Troy, N. Y.	76,813	60,651
Utica, N. Y.	74,419	56,383
Waltham, Mass.	27,834	23,481
Washington, D. C.	331,069	278,718
Waterbury, Conn.	73,141	45,859
West Hoboken, N. J.	35,403	23,094
Wheeling, W. Va.	41,641	38,878
Wichita, Kan.	52,450	24,671
Wilkesbarre, Pa.	67,105	51,721
Williamsport, Pa.	31,860	28,757
Wilmington, Del.	87,411	76,508
Woonsocket, R. I.	38,125	28,204
Worcester, Mass.	145,986	118,421
Yonkers, N. Y.	79,803	47,931
York, Pa.	44,750	33,708
Youngstown, O.	79,066	44,885

* 1905

THE LARGEST CITIES IN THE WORLD.

1910 Census data for cities in the United States. Late official census or official estimates for all foreign cities.

New York	4,766,883	Montreal	470,480
London	4,521,685	Detroit	465,766
Paris	2,888,110	Sheffield	454,632
Tokio, Japan	2,186,079	Sao Paulo, Brazil	450,000
Chicago	2,185,283	Leeds	445,550
Berlin	2,071,257	Kioto, Japan	442,462
Vienna	2,031,498	Rotterdam	436,018
St. Petersburg	1,962,400	Turin	427,106
Philadelphia	1,549,008	Buffalo	423,715
Moscow	1,533,400	San Francisco	416,912
Buenos Ayres	1,314,163	Frankfort-on-Main	414,576
Peking	1,300,000	Lodz, Poland	408,330
Osaka, Japan	1,226,590	Dublin	403,030
Calcutta	1,222,313	Yokohama	394,303
Constantinople	1,200,000	Belfast	386,947
Rio Janeiro	1,128,637	Nagoya, Japan	378,231
Canton	1,000,000	Kobe, Japan	378,197
Bombay	979,445	Milwaukee	373,857
Hamburg	931,035	Hong Kong	366,145
Glasgow	784,496	Cincinnati	363,591
Buda-Pesth	880,371	Düsseldorf	358,728
Warsaw	872,478	Bristol, Eng.	357,048
Tientsin	800,000	Lisbon	356,009
Liverpool	746,421	Montevideo	352,487
Manchester, Eng.	714,333	Newark, N.J.	347,469
St. Louis	687,029	Stockholm	346,599
Naples	678,031	New Orleans	339,075
Boston	670,585	Bucharest	338,109
Cairo, Egypt	654,476	Nuremberg	333,142
Shanghai	651,000	Santiago, Chili	332,724
Brussels	646,400	Alexandria	332,246
Sidney	636,353	Riga	331,300
Bangkok	628,675	Washington	331,069
Melbourne	600,160	Palermo	321,000
Milan	597,325	Edinburgh	320,318
Munich	596,467	Havana	319,884
Leipzig	589,850	Los Angeles	319,198
Amsterdam	580,960	Antwerp	308,618
Madrid	571,539	Charlottenburg, Prussia	305,978
Cleveland	560,663	Hanover, Germany	302,375
Barcelona	560,000	Minneapolis	301,408
Copenhagen	559,000	Essen, Germany	294,653
Baltimore	558,485	West Ham, Eng.	289,030
Marseilles	550,619	The Hague	288,577
Dresden	550,565	Bradford	288,458
Rome	542,123	Chemnitz	287,807
Pittsburgh	533,905	Stuttgart	286,218
Birmingham, Eng.	526,000	Teheran	280,000
Lyons	523,796	Hull	277,991
Madras	518,660	Genoa	272,221
Cologne	516,527	Jersey City	267,779
Breslau	512,000	Newcastle	266,603
Odessa	505,600	Nottingham	259,904
Kiev, Russia	505,060	Lucknow	259,798
Hyderabad	500,000	Prague	223,741
Mexico City	470,659		

PREIDENTENTS OF THE UNITED STATES.

NAMES.	Born.	Inaugurated.	Term of Office.	Died.	Native of	Residence when elected.	Political Party.
1 GEORGE WASHINGTON	Feb. 22, 1732	April 30, 1789	8 years.....	Dec. 14, 1799	Virginia.	Virginia.	Federal.
2 JOHN ADAMS.....	Oct. 31, 1735	Mar. 4, 1797	" " " " " "	July 4, 1826	Mass.	Mass.	"
3 THOMAS JEFFERSON...	April 2, 1743	" " " " " "	" " " " " "	June 28, 1826	Virginia.	Virginia.	Republican.
4 JAMES MADISON.....	Mar. 16, 1751	" " " " " "	" " " " " "	July 4, 1836	"	"	"
5 JAMES MONROE.....	April 28, 1758	" " " " " "	" " " " " "	July 4, 1831	Mass.	Mass.	Coalition.
6 JOHN QUINCY ADAMS.	July 11, 1767	" " " " " "	" " " " " "	Feb. 23, 1848	Tennessee.	Tennessee.	Democrat.
7 ANDREW JACKSON....	Mar. 15, 1767	" " " " " "	" " " " " "	June 8, 1845	New York.	New York.	"
8 MARTIN VAN BUREN.	Dec. 5, 1782	" " " " " "	" " " " " "	July 24, 1862	Ohio.	Ohio.	Whig.
9 W. M. H. HARRISON...	Feb. 9, 1773	" " " " " "	" " " " " "	April 4, 1841	Virginia.	Virginia.	Democrat.
10 JOHN TYLER.....	Mar. 29, 1790	April 6, 1841	3 yrs. 11 mos.	Jan. 18, 1862	N. Carolina.	Tennessee.	Democrat.
11 JAMES K. POLK.....	Nov. 2, 1795	Mar. 4, 1845	4 years.....	June 15, 1849	Virginia.	Louisiana.	Whig.
12 ZACHARY TAYLOR....	Sept. 24, 1784	" " " " " "	1 year 4 mos.	July 9, 1850	New York.	New York.	"
13 MILLARD FILLMORE..	Feb. 7, 1800	July 9, 1850	2 years 8 mos.	Mar. 7, 1874	N. Hamp.	N. Hamp.	Democrat.
14 FRANKLIN PIERCE....	Nov. 23, 1804	Mar. 4, 1853	4 years.....	Oct. 8, 1869	Penn.	Penn.	Republican.
15 JAMES BUCHANAN....	April 23, 1791	" " " " " "	" " " " " "	June 1, 1868	Kentucky.	Illinois.	"
16 ABRAHAM LINCOLN...	Feb. 12, 1809	" " " " " "	4 yrs. 40 days.	April 15, 1865	N. Carolina.	Tennessee.	"
17 ANDREW JOHNSON....	Dec. 29, 1808	April 15, 1865	3 yrs. 10 1/2 mos.	July 31, 1875	Ohio.	Ohio.	"
18 ULYSSES S. GRANT...	April 27, 1822	Mar. 4, 1869	8 years.....	July 23, 1885	"	"	"
19 RUTHERF'D B. HAYES	Oct. 4, 1822	" " " " " "	" " " " " "	Jan. 17, 1893	Vermont.	New York.	Democrat.
20 JAMES A. GARFIELD..	Nov. 19, 1831	" " " " " "	6 1/2 months....	Sept. 19, 1881	New Jersey.	Indiana.	Republican.
21 CHESTER A. ARTHUR.	Oct. 5, 1830	Sept. 20, 1881	3 yrs. 5 1/2 mos.	Nov. 18, 1886	Ohio.	New York.	Democrat.
22 GROVER CLEVELAND..	Mar. 18, 1837	Mar. 4, 1885	4 years.....	June 24, 1908	New Jersey.	Ohio.	Republican.
23 BENJAMIN HARRISON.	Aug. 20, 1833	" " " " " "	" " " " " "	Mar. 13, 1901	Ohio.	New York.	Republican.
24 GROVER CLEVELAND..	Mar. 18, 1837	" " " " " "	" " " " " "	June 24, 1908	New York.	New York.	Republican.
25 WILLIAM MCKINLEY.	Jan. 29, 1843	" " " " " "	4 yrs. 6 1/2 mos.	Sept. 14, 1901	Ohio.	Ohio.	Republican.
26 THEODORE ROOSEVELT	Oct. 27, 1858	Sept. 14, 1901	7 yrs. 5 1/2 mos.	" " " " " "	Ohio.	New Jersey.	Democrat.
27 W. M. HOWARD TAFT.	Sept. 15, 1857	Mar. 4, 1909	4 yrs.....	" " " " " "	Virginia.	"	"
28 WOODROW WILSON...	Dec. 28, 1856	" " " " " "	" " " " " "	" " " " " "	"	"	"

INTEREST TABLE.

FOUR PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	11
3 "	0	0	0	0	0	0	0	0	0	1/2	3 1/2	33
5 "	0	0	0	0	0	0	0	1/2	1/2	1/2	5 1/2	56
10 "	0	0	0	1/2	1/2	1/2	1	1	1	1	11	1 11
1 Mo.	0	1/2	1	1 1/2	1 1/2	2	2 1/2	2 1/2	3	3 1/2	33	3 33
2 "	1/2	1 1/2	2	2 1/2	3 1/2	4	4 1/2	5 1/2	6	6 1/2	67	6 67
3 "	1	2	3	4	5	6	7	8	9	10	1 00	10 00
4 "	1 1/2	2 1/2	4	5 1/2	6 1/2	8	9 1/2	10 1/2	12	13 1/2	1 33	13 33
6 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
9 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
1 Yr.	4	8	12	16	20	24	28	32	36	40	4 00	40 00

FIVE PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	1	14
3 "	0	0	0	0	0	0	0	0	0	0	4	42
5 "	0	0	0	0	0	0	0	1	1	1	7	69
10 "	0	0	0	0	1	1	1	1	1	1 1/2	14	1 39
1 Mo.	1/2	1	1	2	2	3	3	3	4	4	42	4 17
2 "	1	1 1/2	3	3	4	5	6	7	8	8	83	8 33
3 "	1	2 1/2	4	5	6	8	9	10	11	13	1 25	12 50
4 "	1 1/2	3	5	7	8	10	12	13	15	17	1 67	16 67
6 "	2 1/2	5	8	10	13	15	18	20	23	25	2 50	25 00
9 "	3 1/2	7 1/2	11	15	19	23	26	30	34	38	3 75	37 50
1 Yr.	5	10	15	20	25	30	35	40	45	50	5 00	50 00

SIX PER CENT.

TIME.	\$1	\$2	\$3	\$4	\$5	\$6	\$7	\$8	\$9	\$10	\$100	\$1000
1 Dy.	0	0	0	0	0	0	0	0	0	0	2	17
3 "	0	0	0	0	0	0	0	0	0	1	5	50
5 "	0	0	0	0	0	1	1	1	1	1	8	83
10 "	0	0	1	1	1	1	1	2	2	2	17	1 67
1 Mo.	1/2	1	2	2	3	3	4	4	5	5	50	5 00
2 "	1	2	3	4	5	6	7	8	9	10	1 00	10 00
3 "	1 1/2	3	5	6	8	9	11	12	14	15	1 50	15 00
4 "	2	4	6	8	10	12	14	16	18	20	2 00	20 00
6 "	3	6	9	12	15	18	21	24	27	30	3 00	30 00
9 "	4 1/2	9	14	18	23	27	32	36	41	45	4 50	45 00
1 Yr.	6	12	18	24	30	36	42	48	54	60	6 00	60 00

INTEREST LAWS OF ALL THE STATES, AND DAYS OF GRACE.

STATES AND TERRITORIES.	DAYS OF GRACE.		RATES OF INTEREST.		STATUTES OF LIMITATIONS.		
	Notes.	Sight Drafts	Legal	SPECIAL OR CONTRACT	Judg. ments. Years.	Notes. Years.	Open Accts. Years.
Alabama . . .	No	No	8	8 per ct.	20	6*	3
Alaska . . .	No	No	8	12 per ct.	10	6	6
Arizona . . .	No	No	6	10 per ct.	5	4	3
Arkansas . . .	No	No	6	10 per ct.	10	5	3
California . . .	No	No	7	No limit.	5	4	4
Colorado . . .	No	No	8	No limit.	20	6	6
Connecticut . . .	No	No	6	12 per ct.	(a)	(b)	6
Delaware . . .	No	No	6	6 per ct.	10	6†	3
Dist. of Columbia	No	No	6	10 per ct.	12	3	3
Florida . . .	No	No	8	10 per ct.	20	5	3
Georgia . . .	No	No	7	8 per ct.	7	6†	6
Hawaiian Isl'nds	No	No	8	12 per ct.	20	6	6
Idaho . . .	No	No	7	12 per ct.	6	5	4
Illinois . . .	No	No	5	7 per ct.	20	10	5
Indiana . . .	No	No	6	8 per ct.	20	10	6
Iowa . . .	No	No	6	8 per ct.	20†	10	5
Kansas . . .	No	No	6	10 per ct.	5	5	3
Kentucky . . .	No	No	6	6 per ct.	15	15	2
Louisiana . . .	No	No	5	8 per ct.	10	5	3
Maine . . .	No	Yes	6	No limit.	20	6-20	6
Maryland . . .	No	No	6	6 per ct.	12	3	3
Massachusetts . . .	No	Yes	6	No limit.	20	6	6
Michigan . . .	No	No	5	7 per ct.	6	6	6
Minnesota . . .	No	No	6	10 per ct.	10	6	6
Mississippi . . .	Yes	Yes	6	8 per ct.	7	6	3
Missouri . . .	No	No	6	8 per ct.	10	10	5
Montana . . .	No	No	8	No limit.	10	8	5
Nebraska . . .	No	No	7	10 per ct.	5	5	2
Nevada . . .	No	No	7	No limit.	6	6	4
New Hampshire	No	Yes	6	6 per ct.	20	6	6
New Jersey . . .	No	No	6	6 per ct.	20	6	6
New Mexico . . .	No	No	6	12 per ct.	7	6	4
New York . . .	No	No	6	16 per ct.	20	6	6
North Carolina . . .	No	No	6	6 per ct.	10	3*	3
North Dakota . . .	No	No	6	10 per ct.	10	6	6
Ohio . . .	No	No	6	8 per ct.	5	15	6
Oklahoma . . .	No	No	6	10 per ct.	1-5	5	3
Oregon . . .	No	No	6	10 per ct.	10	6	6
Pennsylvania . . .	No	No	6	6 per ct.	5	6†	6
Philippine Isl'nds	No	No	6	No limit.	...	...	...
Porto Rico . . .	No	No	6	12 per ct.	5	3	3
Rhode Island . . .	No	Yes	6	No limit.	20	6	6
South Carolina . . .	No	No	7	8 per ct.	10	6	6
South Dakota . . .	No	No	7	12 per ct.	20	6	6
Tennessee . . .	No	No	6	6 per ct.	10	6	3
Texas . . .	Yes	Yes	6	10 per ct.	10	4	2
Utah . . .	No	No	8	12 per ct.	8	6	4
Vermont . . .	No	No	6	6 per ct.	8	6	6
Virginia . . .	No	No	6	6 per ct.	20	5	5
Washington . . .	No	No	6	12 per ct.	6	6	3
West Virginia . . .	No	No	6	6 per ct.	10	10	5
Wisconsin . . .	No	No	6	10 per ct.	6-20	6	6
Wyoming . . .	No	No	8	12 per ct.	21	10	8

|| Any rate of interest on call loans of \$5,000 or upward, on collateral security.
 (a) No limit. (b) Negotiable notes, 6 years. * Under seal, 10 years.
 † Under seal, 20 years. ‡ In Courts of Record, 20 years; Justice's Court, 10 years.
 ¶ Over 6 per cent. cannot be collected by law.

WEIGHTS AND MEASURES.

MEASURE OF LENGTH.

4	In. = 1 Hand.	3	Feet = 1 Yard.
7.92	In. = 1 Link.	5½	Yds. = 1 Rod or Pole
18	In. = 1 Cubit.	40	Poles = 1 Furlong
12	In. = 1 Foot.	8	Fur. = 1 Mile.
6	Ft. = 1 Fathom.	69 1-6	Miles = 1 Degree.
60 Geographical Miles = 1 Degree.			
1760 Yards } = 1 Mile.			
5280 Feet }			

MEASURE OF SURFACE.

144	Square Inches = 1 Square Foot.
9	Square Feet = 1 Square Yard.
30¼	Square Yards = 1 Sq. Rod, Perch or Pole
40	Square Rods = 1 Square Rood.
4	Square Roods = 1 Acre.
Gunter's Chain = 22 Yards or 100 Links.	
10	Square Chains = 1 Acre.
640	Acres = 1 Square Mile.
272¼	Square Feet = 1 Square Rod.
43,560	Square Feet = 1 Acre.

MEASURE OF SOLIDITY.

1728	Cubic Inches = 1 Cubic Foot.
27	Cubic Feet = 1 Cubic Yard.

AVOIRDUPOIS WEIGHT.

27¼	Grains = 1 Drachm (dr.) or 27¼ Grains
16	Drachms = 1 Ounce (oz.) or 437½ "
16	Ounces = 1 Pound (lb.) or 7000 "
28	Pounds = 1 Quarter (qr.).
4	Quarters = 1 Hundred-Weight (cwt)
20	Cwts. = 1 Ton.
2240	Pounds = 1 Ton.

TROY WEIGHT.

24	Grains = 1 Pennyweight, or 24 Grains.
20	Pennywts = 1 Ounce, or 480 "
12	Ounces = 1 Pound, or 5760 "

APOTHECARIES' WEIGHT.

20	Grains = 1 Scruple.	8	Drachms = 1 Ounce.
3	Scruples = 1 Drachm.	12	Ounces = 1 Pound.

DIAMOND WEIGHT.

16	Parts = 1 Grain (4-5ths Grain Troy.)
4	Grains = 1 Carat (3 1-5th Grains Troy.)

LIQUID MEASURE.

4	Gills = 1 Pint.	3 1½	Gallons = 1 Barrel.
2	Pints = 1 Quart.	54	Gallons = 1 Hhd.
4	Quarts = 1 Gallon.	252	Gallons = 1 Tun.

DRY MEASURE.

8	Quarts = 1 Peck.	8	Bushels = 1 Quarter.
4	Pecks = 1 Bushel.	36	Bushels = 1 Chaldron.
1 Bushel = 2150.42 Cubic Inches.			

WEIGHT PER BUSHEL OF GRAIN, ETC.

The following Table shows the number of pounds per bushel required, by law or custom, in the sale of articles specified, in the several States of the Union.

STATES.	Barley.	Buckwheat.	Coal.	Corn, sh'd	Corn Meal.	Onions.	Oats.	Potatoes.	Rye.	Wheat.	Salt.	Turnips.	Beans, wh.	Clover S'd.	Timothy.
Maine.....	48	48	..	56	50	52	30	60	..	60	..	50	64	..	..
New Hampshire.....	..	..	..	56	50	..	30	60	56	60	..	..	60	..	..
Vermont.....	48	48	..	..	..	..	32	60	56	60	70	..	64	60	42
Massachusetts.....	48	48	..	56	50	52	32	60	56	60	..	..	..	..	..
Connecticut.....	..	45	..	56	..	..	32	60	56	56	..	..	..	..	..
New York.....	48	48	..	58	..	..	32	60	56	60	..	..	62	60	44
New Jersey.....	48	50	..	56	..	..	30	60	56	60	..	..	..	64	..
Pennsylvania.....	47	48	..	56	..	..	30	56	56	60	85	..	..	62	..
Delaware.....	..	..	..	56	..	..	..	..	..	60	..	..	..	..	..
Maryland.....	48	48	..	56	..	57	32	60	56	60	56	..	62	64	45
Dist. Columbia.....	47	48	..	56	48	57	32	56	56	60	50	55	62	60	45
Virginia.....	48	48	..	56	50	..	32	60	56	60	..	56	60	64	45
West Virginia.....	48	52	80	56	48	..	32	60	56	60	..	60	60	60	45
North Carolina.....	48	50	..	54	46	..	30	..	56	60	..	..	..	64	..
South Carolina.....	48	56	80	56	50	57	33	60	56	60	50	..	60	60	..
Georgia.....	40	..	80	56	48	57	35	56	..	60	56	..	..	60	45
Louisiana.....	32	..	..	56	..	..	32	..	..	60	..	..	..	..	..
Arkansas.....	48	52	80	56	50	57	32	60	56	60	50	..	60	60	45
Tennessee.....	48	50	..	56	50	56	32	60	56	60	..	..	60	..	45
Kentucky.....	48	52	..	56	50	57	33	56	56	60	50	..	60	60	45
Ohio.....	48	50	..	56	..	..	32	60	56	60	..	..	60	60	45
Michigan.....	48	48	80	56	..	54	32	60	56	60	56	58	60	60	45
Indiana.....	48	50	70	56	50	48	32	60	56	60	50	..	60	60	..
Illinois.....	48	52	..	56	48	57	32	60	56	60	50	..	60	60	..
Wisconsin.....	48	50	..	56	..	..	32	60	56	60	..	..	..	60	..
Minnesota.....	48	42	..	56	..	..	32	60	56	60	..	..	..	60	..
Iowa.....	48	52	..	56	..	57	33	60	56	60	50	..	60	60	45
Missouri.....	48	52	..	56	..	57	32	60	56	60	50	..	60	60	45
Kansas.....	50	50	..	56	50	57	32	60	56	60	50	55	60	..	45
Nebraska.....	48	52	..	56	50	57	34	60	56	60	50	55	60	60	45
California.....	50	40	..	52	..	..	32	..	54	60	..	..	..	..	..
Oregon.....	46	42	..	56	..	..	36	60	56	60	..	..	..	60	..

HELP! In Case of Accidents.

Drowning. 1. Loosen clothing, if any. 2. Empty lungs of water by laying body on its stomach and lifting it by the middle so that the head hangs down. Jerk the body a few times. 3. Pull tongue forward, using handkerchief, or pin with string, if necessary. 4. Imitate motion of respiration by alternately compressing and expanding the lower ribs, about twenty times a minute. Alternately raising and lowering the arms, from the sides up above the head will stimulate the action of the lungs. Let it be done gently but persistently. 5. Apply warmth and friction to extremities. 6. By holding tongue forward, closing the nostrils and pressing the "Adam's apple" back, (so as to close entrance to stomach) direct inflation may be tried. Take a deep breath and breathe it forcibly into the mouth of patient, compress the chest to expel the air, and repeat the operation. 7. **DON'T GIVE UP!** People have been saved after HOURS of patient, vigorous effort. 8. When breathing begins, get patient into a warm bed, give WARM drinks, or spirits in teaspoonfuls, fresh air and quiet.

Burns and Scalds. Cover with cooking soda and lay wet cloths over it. Whites of eggs and olive oil. Olive or linseed oil, plain or mixed with chalk or whiting.

Lightning. Dash cold water over a person struck.

Sunstroke. Loosen clothing. Get patient into shade and apply ice-cold water to head.

Mad Dog or Snake Bite. Tie cord tight above wound. Suck the wound and cauterize with caustic or white-hot iron at once, or cut out adjoining parts with a sharp knife.

Venomous Insects' Stings, etc. Apply weak ammonia, oil, salt water or iodine.

Fainting. Place flat on back; allow fresh air and sprinkle with water.

Electricity. Release from current, not touching body or wire with hands, metal or a wet stick. Handle body by its clothing, with rubber gloves and shoes if possible, if not, cover hands with dry woolen cloth, and stand on dry boards. Then induce artificial respiration as in a case of drowning. Rub limbs and massage body.

Tests of Death. Hold mirror to mouth. If living, moisture will gather. Push pin into flesh. If dead, the hole will remain, if alive, it will close up.

Cinders in the Eye. Roll soft paper up like a lamplighter and wet the tip to remove, or use a medicine dropper to draw it out. Rub the *other* eye.

Fire in one's Clothing. *Don't run* — especially not down stairs or out of doors. Roll on carpet, or wrap in woolen rug or blanket. Keep the head down so as not to inhale flame.

Fire in a Building. Crawl on the floor. The clearest air is the lowest in the room. Cover head with a woolen wrap, wet if possible. Cut holes for the eyes. *Don't get excited.*

Fire in Kerosene. *Don't use water*, it will spread the flames. Dirt, sand or flour is the best extinguisher; or smother with woolen rug, table-cloth or carpet.

Suffocation from Inhaling Burning-Gas. Get into the fresh air as soon as possible and lie down. Keep warm. Take Ammonia, — twenty drops to a tumbler of water, at frequent intervals.

ANTIDOTES FOR POISONS.

First. Send for a Physician.

Second. INDUCE VOMITING, by tickling throat with feather or finger, drinking hot water or strong Mustard and water. Swallow Sweet Oil or whites of Eggs.

Acids are antidotes for ALKALIES, and *vice versa*.

SPECIAL POISONS AND ANTIDOTES.

Acids. MURIATIC. OXALIC, }
ACETIC. SULPHURIC (Oil of Vit- } Soapsuds, Magnesia, Lime-water.
riol). NITRIC (Aqua Fortis). }

Prussic Acid. Ammonia in water. Dash water in face.

Carbolic Acid. Flour and water, mucilaginous drinks.

Alkalies. POTASH. LYE. } Vinegar or Lemon juice in water.
HARTSHORN. AMMONIA. }

Arsenic. }
Rat Poison. } Milk, raw Eggs, Sweet Oil, Lime-water, Flour
Paris Green. } and water.

Bug Poison. }
Lead. } Whites of Eggs, or Milk in large doses.
Saltpetre. }
Corrosive Sublimate. }
Sugar of Lead. }
Blue Vitriol. }

Chloroform. } Dash cold water on head and chest. Artificial
Chloral. } respiration. Piece of ice in rectum.
Ether. }

Carbonate of Soda. } Soapsuds and mucilaginous drinks.
Copperas. Cobalt. }

Iodine. } Starch and water. Astringent infusions.
Antimony. } Strong tea.
Tartar Emetic. }

Mercury AND ITS SALTS. Whites of Eggs. Milk. Mucilages.

Nitrate of Silver. } Salt and water.
Lunar Caustic. }

Opium. }
Morphine. } Strong coffee, hot bath. Keep awake and
Laudanum. } moving at any cost.
Paregoric. }
Soothing Powders }
or Syrups. }

Strychnine. } Mustard and water. Sulphate of Zinc.
Tinct. of Nux Vomica. } Absolute quiet. Plug the ears.

LEGAL HOLIDAYS.

In most States when the holiday falls on Sunday the Monday following is observed.

Legal holidays in some States are observed as such only by common consent, or when appointed by the Governor, and not by legislative enactment.

ALABAMA—Jan. 1 and 19, Feb. 22, Mardi-Gras, Good Friday, April 13 and 26, June 3, July 4, Labor Day, gen. election, Oct. 12, Thanksgiving, Dec. 25.
ALASKA—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 18, Thanksgiving, Dec. 25, gen. election.
ARIZONA—Jan. 1, Feb. 14 and 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, election day, Thanksgiving, Dec. 25.
ARKANSAS—Jan. 1 and 19, Feb. 22, June 3, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
CALIFORNIA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Sept. 9, Oct. 12, Thanksgiving, Dec. 25, general election.
COLORADO—Jan. 1, Feb. 12 and 22, May 30, July 4, Aug. 1, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
CONNECTICUT—Jan. 1, Feb. 12 and 22, Good Friday, Fast Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
DELAWARE—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
DISTRICT OF COLUMBIA—Jan. 1, Feb. 22, Inauguration Day, May 30, July 4, Labor Day, Thanksgiving, Dec. 25.
FLORIDA—Jan. 1 and 19, Arbor Day, Feb. 22, Mardi Gras, Good Friday, Apr. 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, gen. elec.
GEORGIA—Jan. 1 and 19, Feb. 22, April 26, June 3, July 4, Labor Day, any Thanksgiving, Dec. 25.
HAWAII—Jan. 1, Feb. 22, May 30, June 11, July 4, Labor Day, Regatta Day, Thanksgiving, Dec. 25.
IDAHO—Jan. 1, Feb. 22, Arbor Day, May 30, June 15, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
ILLINOIS—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election days.
INDIANA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
IOWA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
KANSAS—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
KENTUCKY—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
LOUISIANA—Jan. 1 and 8, Feb. 22, Mardi-Gras in New Orleans, Good Friday, June 3, July 4, All Saints Day, Labor Day (Orleans Parish), Nov. 1, Thanksgiving, Dec. 25, general election.
MAINE—Jan. 1, Feb. 22, April 19, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
MARYLAND—Jan. 1, Feb. 22, Good Friday, May 30, July 4, Labor Day, Sept. 12, Oct. 12, Thanksgiving, Dec. 25, gen. election.
MASSACHUSETTS—Feb. 22, April 19, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
MICHIGAN—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving Day, Dec. 25, election days.
MINNESOTA—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
MISSISSIPPI—Jan. 1, Feb. 22, April 26, June 3, July 4, Labor Day, Thanksgiving, Dec. 25.

MISSOURI—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election days.
MONTANA—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
NEBRASKA—Jan. 1, Feb. 12 and 22, April 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
NEVADA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 31, Thanksgiving, Dec. 25, general election.
NEW HAMPSHIRE—Jan. 1, Feb. 22, Fast Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. election.
NEW JERSEY—Jan. 1, Feb. 12 and 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, every Saturday p. m., general election.
NEW MEXICO—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election.
NEW YORK—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday p. m.
NORTH CAROLINA—Jan. 1 and 19, Feb. 22, April 12, May 10 and 20, July 4, Labor Day, Thanksgiving, Dec. 25, election day.
NORTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, election last Thursday in June, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
OHIO—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election 5.30 to 9 A. M.
OKLAHOMA—Jan. 1, Feb. 22, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
OREGON—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
PENNSYLVANIA—Jan. 1, Feb. 12, spring election, Feb. 22, Good Friday, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, general election, every Saturday p. m.
PORTO RICO—Jan. 1, Feb. 22, Mar. 22, Good Friday, May 30, July 4, July 25, Labor Day, Oct. 12, Thanksgiving, Christmas.
RHODE ISLAND—Jan. 1, Feb. 22, Arbor Day, May 30, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, State election, general election, every Saturday p. m.
SOUTH CAROLINA—Jan. 1 and 19, Feb. 22, May 10, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, gen. election.
SOUTH DAKOTA—Jan. 1, Feb. 12 and 22, May 30, Arbor Day, July 4, Labor Day, Thanksgiving, Dec. 25, general election.
TENNESSEE—Jan. 1, Feb. 22, Good Friday, May 30, June 3, July 4, Labor Day, Thanksgiving, Dec. 25, general election, every Saturday p. m.
TEXAS—Jan. 1, Feb. 22, Mar. 2, April 21, June 3, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, election day.
UTAH—Jan. 1, Feb. 12 and 22, April 15, May 30, July 4, July 24, Labor Day, Thanksgiving, Dec. 25.
VERMONT—Jan. 1, Feb. 22, May 30, July 4, Aug. 16, Labor Day, Oct. 12, Thanksgiving, Dec. 25.
VIRGINIA—Jan. 1 and 19, Feb. 22, May 30, July 4, Labor Day, Thanksgiving, Dec. 25, every Saturday p. m., gen. election.
WASHINGTON—Jan. 1, Feb. 12 and 22, Decoration Day, July 4, Labor Day, Oct. 12, Thanksgiving, Dec. 25, gen. elec., every Sat. p. m.
WEST VIRGINIA—Jan. 1, Feb. 12 and 22, May 30, July 4, Labor Day, Oct. 12, Dec. 25, Thanksgiving, gen. elec., every Sat. p. m.
WISCONSIN—Jan. 1, Feb. 22, May 30, July 4, Labor Day, election 1st Tuesday in Sept., Thanksgiving, Dec. 25, general election.
WYOMING—Jan. 1, Feb. 12 and 22, Arbor Day, May 30, July 4, July 10, Labor Day, Thanksgiving, Dec. 25, general election.

RATE OF INCOME ON STOCKS.

Purchased at the following prices (par value being \$100), and bearing interest at the following rates.

Paid	2%	3%	4%	5%	6%	7%	8%	10%
\$50	4 00	6 00	8 00	10 00	12 00	14 00	16 00	20 00
52½	3 81	5 71	7 62	9 52	11 43	13 33	15 24	19 04
55	3 63	5 45	7 27	9 09	10 91	12 72	14 55	18 18
57½	3 48	5 22	6 96	8 70	10 43	12 17	13 91	17 40
60	3 33	5 00	6 67	8 33	10 00	11 67	13 33	16 66
62½	3 20	4 80	6 40	8 00	9 60	11 20	12 80	16 00
65	3 08	4 62	6 15	7 69	9 23	10 77	12 31	15 38
67½	2 96	4 44	5 93	7 41	8 89	10 37	11 85	14 82
70	2 86	4 29	5 71	7 14	8 57	10 00	11 43	14 28
72½	2 76	4 14	5 52	6 90	8 27	9 65	11 03	13 80
75	2 67	4 00	5 33	6 67	8 00	9 33	10 67	13 35
77½	2 58	3 87	5 16	6 45	7 74	9 03	10 32	12 90
80	2 50	3 75	5 00	6 25	7 50	8 75	10 00	12 50
82½	2 42	3 64	4 85	6 06	7 27	8 48	9 70	12 12
85	2 35	3 53	4 71	5 88	7 06	8 24	9 41	11 76
87½	2 29	3 43	4 57	5 71	6 86	8 00	9 14	11 42
90	2 22	3 33	4 44	5 56	6 67	7 78	8 89	11 11
92½	2 16	3 24	4 32	5 41	6 49	7 57	8 65	10 82
95	2 11	3 16	4 21	5 26	6 32	7 37	8 42	10 52
97½	2 05	3 08	4 10	5 13	6 15	7 18	8 21	10 26
100	2 00	3 00	4 00	5 00	6 00	7 00	8 00	10 00
102	1 96	2 94	3 92	4 90	5 88	6 86	7 84	9 80
104	1 92	2 88	3 85	4 81	5 77	6 73	7 69	9 62
106	1 88	2 83	3 77	4 72	5 66	6 60	7 55	9 44
108	1 85	2 78	3 70	4 63	5 56	6 48	7 41	9 26
110	1 82	2 73	3 64	4 55	5 45	6 36	7 27	9 10
115	1 74	2 61	3 48	4 35	5 22	6 09	6 96	8 69
120	1 67	2 50	3 33	4 17	5 00	5 83	6 67	8 33
125	1 60	2 40	3 20	4 00	4 80	5 60	6 40	8 00
130	1 54	2 31	3 08	3 85	4 62	5 38	6 15	7 70
135	1 48	2 22	2 96	3 70	4 44	5 19	5 93	7 40
140	1 43	2 14	2 86	3 57	4 29	5 00	5 71	7 14
145	1 38	2 07	2 76	3 45	4 14	4 83	5 52	6 90
150	1 33	2 00	2 67	3 33	4 00	4 67	5 33	6 66
155	1 29	1 94	2 58	3 23	3 87	4 52	5 16	6 46
160	1 25	1 87	2 50	3 12	3 75	4 37	5 00	6 25
165	1 21	1 82	2 42	3 03	3 64	4 24	4 85	6 06
170	1 18	1 76	2 35	2 94	3 53	4 12	4 71	5 88
175	1 14	1 71	2 29	2 86	3 43	4 00	4 57	5 72
180	1 11	1 67	2 22	2 78	3 33	3 89	4 44	5 55
185	1 08	1 62	2 16	2 70	3 24	3 78	4 32	5 40
190	1 05	1 58	2 11	2 63	3 16	3 68	4 21	5 26
195	1 03	1 54	2 05	2 56	3 08	3 59	4 10	5 12
200	1 00	1 50	2 00	2 50	3 00	3 50	4 00	5 00

BUSINESS LAW IN DAILY USE.

The following compilation of Business Law contains the essence of a large amount of legal verbiage:

A note by a minor is void.

It is a fraud to conceal a fraud.

A note made on Sunday is void.

Ignorance of the law excuses no one.

A contract made with a minor is void.

A contract made with a lunatic is void.

The acts of one partner bind all the rest.

Notes bear interest only when so stated.

An agreement without consideration is void.

A receipt for money is not always conclusive.

The law compels no one to do impossibilities.

Contracts made on Sunday cannot be enforced.

Signatures made with a lead pencil are good in law.

Principals are responsible for the acts of their agents.

No consideration is sufficient in law if it be illegal in its nature.

Checks or drafts must be presented for payment without unreasonable delay.

If the time of payment of a note is not inserted, it is held payable on demand.

A note obtained by fraud, or from a person in a state of intoxication, cannot be collected.

If the drawee of a check or draft has changed his residence, the holder must use due or reasonable diligence to find him.

A note indorsed in blank (the name of the indorser only written) is transferable by delivery, the same as if made payable to bearer.

Each individual in a partnership is responsible for the whole amount of the debts of the firm, except in cases of special partnership.

If a note is lost or stolen, it does not release the maker; he must pay it, if the consideration for which it was given and the amount can be proven.

Checks or drafts should be presented during business hours, but in this country, except in the case of banks, the time extends through the day and evening.

"Value received" is usually written in a note, and should be, but is not necessary. If not written it is presumed by the law, or may be supplied by proof.

If one who holds a check as payee or otherwise, transfers it to another, he has a right to insist that the check be presented that day, or, at farthest, on the day following.

The maker of an "accommodation" bill or note (one for which he has received no consideration, having lent his name or credit for the accommodation of the holder) is not bound to the person accommodated, but is bound to all other parties, precisely as if there was a good consideration.

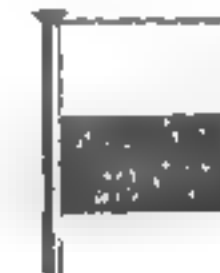
VALUES OF FOREIGN COINS.

The following estimate, by the Director of the Mint, of the values of Foreign Coins, is proclaimed by the Secretary of the Treasury, in pursuance of the provisions of section 25 of the Act of August 27, 1894, to be the values of such coins in terms of the money of account of the United States, to be followed in estimating the value of all foreign merchandise exported to the United States on or after January 1, 1916, expressed in any of such metallic currencies:

COUNTRY.	STANDARD.	MONETARY UNIT.	VALUE.
			D. O. M.
Argentine Rep.....	Gold	Peso	0 96 4
Austria-Hungary	Gold	Crown.....	0 20 2
Belgium	Gold	Franc	0 19 3
Bolivia	Gold	Boliviano	0 38 9
Brazil	Gold	Milreis	0 54 6
Canada	Gold	Dollar	1 0 0
Costa Rica.....	Gold	Colon.....	0 46 5
Chili	Gold	Peso.....	0 36 5
China.....	Silver	Tael.. { Shanghai..	0 57 5
		Haikwan..	0 64 0
		(Customs).	
Colombia	Gold	Dollar.....	1 0 0
Denmark	Gold	Crown.....	0 26 8
Ecuador	Gold	Sucre.....	0 48 6
Egypt	Gold	Pound (100 piastres)	4 94 3
Finland.....	Gold	Mark	0 19 3
France	Gold	Franc	0 19 3
German Empire.....	Gold	Mark	0 23 8
Great Britain.....	Gold	Pound sterling	4 86 6½
Greece.....	Gold	Drachma	0 19 3
Hayti.....	Gold	Gourde	0 96 4
India (British)	Gold	Rupee.....	0 32 4
Italy	Gold	Lira	0 19 3
Japan	Gold	Yen	0 49 8
Liberia	Gold	Dollar.....	1 0 0
Mexico	Gold	Peso	0 49 8
Netherlands	Gold	Florin	0 40 2
Newfoundland	Gold	Dollar	1 1 4
Norway	Gold	Crown.....	0 26 8
Panama	Gold	Balboa.....	1 0 0
Persia	Gold	Kran	0 17 0
Peru	Gold	Libra.....	4 86 6½
Philippine Islds.	Gold	Peso.....	0 50 0
Portugal.....	Gold	Escudo	1 8 0
Russia.....	Gold	Ruble.....	0 51 4
Spain.....	Gold	Peseta.....	0 19 3
Sweden.....	Gold	Crown.....	0 26 8
Switzerland	Gold	Franc	0 19 3
Turkey	Gold	Piaster	0 4 4
Uruguay.....	Gold	Peso.....	1 3 4
Venezuela.....	Gold	Bolivar	0 19 3




U.S. DEPARTMENT OF AGRICULTURE. WEATHER BUREAU.

INTERPRETATION OF SIGNALS.

No. 1.	No. 2.	No. 3.	No. 4.	No. 5.
White Flag	Blue Flag	White and Blue Flag	Black Triangular Flag	White Flag Black Center
				
Clear or Fair.	Rain or Snow.	Local Rain or Snow.	Temperature.	Cold Wave.

No. 1, alone, indicates fair weather, stationary temperature.
 No. 2, alone, indicates rain or snow, stationary temperature.
 No. 3, alone, indicates local rain or snow, stationary temperature.
 No. 1 with No. 4 above it, indicates fair weather, warmer.
 No. 1 with No. 4 below it, indicates fair weather, colder.
 No. 2 with No. 4 above it, indicates rain or snow, warmer.
 No. 2 with No. 4 below it, indicates rain or snow, colder.
 No. 3 with No. 4 above it, indicates local rain or snow, warmer.
 No. 3 with No. 4 below it, indicates local rain or snow, colder.

DISPLAY EXAMPLES.

Colder. Fair Weather.	
Rain or Snow. Warmer.	
Local Rain or Snow. Colder.	

TO FIND THE LENGTH OF DAY OR NIGHT.

At any time of the year add 12 hours to the time of the sun's setting, and from the sum subtract the time of rising for the length of the day. Subtract the time of setting from 12 hours, and to the remainder add the time of rising next morning for the length of the night. These rules are equally true for apparent time.

STANDARD TIME.

IN this Almanac the risings and settings of the Sun and Moon are given in local mean time, as heretofore. The Tides are given in STANDARD TIME. Light face figures indicate A. M. time; heavy face P. M. time.

To change to STANDARD TIME add or subtract the *minutes* as given below, according as they are marked *plus* or *minus*.

Standard Time Divisions as adopted by the Railroads.

EASTERN STANDARD—75th Meridian. Canada, between Quebec and Detroit,—U. S. east of Buffalo, N. Y.; Pittsburg, Pa.; Wheeling and Huntington, W. Va.; Bristol, Tenn.; Charlotte, N. C., and Augusta, Ga.

CENTRAL STANDARD—90th Meridian. West from "Eastern" limits, as above, to Broadview, Canada; to the Missouri River in Dakota; North Platte and McCook, Nebraska; Wallace and Dodge City, Kansas; Toyah and Sanderson, Texas.

MOUNTAIN STANDARD—105th Meridian. West from "Central" limits to Heron, Montana; Ogden, Utah; Needles and Yuma, Arizona.

PACIFIC STANDARD—120th Meridian. West from "Mountain" limits to coast.

Correction for the following Cities.

Eastern Standard. 75° Longitude.		Central Standard. 90° Longitude.	
	Minutes.		Minutes.
Bangor, Me.....	— 23	Cleveland, Ohio.....	— 33
Augusta, Me.....	— 21	Columbus, Ohio.....	— 28
Portland, Me.....	— 19	Detroit, Mich.....	— 28
Boston, Mass.....	— 16	Toledo, Ohio.....	— 26
Newport, R. I.....	— 15	Dayton, Ohio.....	— 23
Providence, R. I.....	— 14	Cincinnati, Ohio.....	— 22
Concord, N. H.....	— 14	Louisville, Ky.....	— 18
New London, Conn.....	— 11	Indianapolis, Ind.....	— 16
Springfield, Mass.....	— 10	Chicago, Ill.....	— 10
Montpelier, Vt.....	— 10	Milwaukee, Wis.....	— 8
Hartford, Conn.....	— 9	Springfield, Ill.....	— 2
Montreal, Que.....	— 6	Memphis, Tenn.....	0
Albany, N. Y.....	— 5	New Orleans, La.....	0
New York, N. Y.....	— 4	St. Louis, Mo.....	+ 1
Utica, N. Y.....	+ 1	Rock Island, Ill.....	+ 3
Philadelphia, Pa.....	+ 1	Dubuque, Iowa.....	+ 3
Syracuse, N. Y.....	+ 5	Burlington, Iowa.....	+ 5
Baltimore, Md.....	+ 6	St. Paul, Minn.....	+ 12
Washington, D. C.....	+ 8	Des Moines, Iowa.....	+ 14
Rochester, N. Y.....	+ 11	Kansas City, Mo.....	+ 18
Buffalo, N. Y.....	+ 16	Galveston, Texas.....	+ 19
Pittsburg, Pa.....	+ 26	Omaha, Neb.....	+ 24

Mountain Standard. 105° Longitude.		Pacific Standard. 120° Longitude.	
Denver, Col.....	0	Sacramento, Cal.....	+ 6
Salt Lake City, Utah.....	+ 28	San Francisco, Cal.....	+ 10

TIDE TABLE.

To Find High Water (Standard Time) Add to, or Subtract from, High Water at New York.

	EASTERN STANDARD.		Mean Range. Feet.
	H.	M.	
Eastport, Me.....	add	2 37	18.2
Bar Harbor, Me.....	"	2 31	10.5
Rockland, Me.....	"	2 44	9.7
Portland, Me.....	"	2 52	8.9
Portsmouth, N. H.....	"	3 13	7.8
Isle of Shoals, N. H.....	"	3 1	8.7
Newburyport, Mass.....	"	3 23	7.8
Rockport, Mass.....	"	2 55	8.8
Gloucester, Mass.....	"	2 57	8.9
Salem, Mass.....	"	3 0	9.0
Marblehead, Mass.....	"	2 52	9.2
Nahant, Mass.....	"	2 59	9.1
Hull, Mass.....	"	3 2	9.0
Plymouth, Mass.....	"	3 4	9.6
Provincetown, Mass.....	"	3 3	9.2
Nantucket, Mass.....	"	4 4	3.1
Vineyard Haven, Mass.....	"	3 25	1.7
Wood's Hole, North Side, Mass.....	sub.	0 18	3.9
Wood's Hole, South Side, Mass.....	add	0 9	1.8
New Bedford Entrance (Dumpling Rock), Mass. }	sub.	0 26	3.7
Newport, R. I.....	"	0 31	3.5
Bristol, R. I.....	"	0 13	4.1
Providence, R. I.....	"	0 2	4.6
Point Judith, R. I.....	"	0 29	3.1
New Shoreham, Block Island, R. I.....	"	0 41	3.0
New London, Conn.....	add	1 14	2.5
Norwich, Conn.....	"	1 55	3.1
New Haven, Conn.....	"	3 0	6.0
Montauk Point, L. I.....	"	0 7	2.0
Coney Island, L. I.....	sub.	0 29	4.7
West Point, N. Y.....	add	3 2	2.8
Long Branch, N. J.....	sub	0 43	4.3
Cape May City, N. J.....	"	0 10	4.6
League Island, Pa.....	add	5 26	5.4
Philadelphia, Pa.....	"	5 56	5.3
Annapolis, Md.....	sub.	3 12	0.9
Baltimore, Md.....	"	1 20	1.2
Richmond, Va.....	"	3 32	3.7
Hatteras Inlet, N. C.....	"	0 47	2.0
Charleston (C. H. Wharf), S. C.....	"	0 15	5.2

CENTRAL STANDARD.			
Fort Pulaski (Savannah Ent.), Ga.....	sub.	1 18	6.9
Savannah (Dry Dock Wharf), Ga.....	"	0 23	6.5
Jacksonville, Fla.....	add	0 19	1.0
St. Augustine, Fla.....	sub.	0 14	4.2
Key West, Fla.....	add	0 47	1.2
Tampa Bay (Egmont Key), Fla.....	"	3 3	1.4
Cedar Keys (Depot Key), Fla.....	"	4 39	2.4

FESTIVALS AND FASTS.

Epiphany	Jan. 6
Septuagesima Sunday	Feb. 4
Quinquagesima—Shrove Sunday	Feb. 18
Ash Wednesday	Feb. 21
First Sunday in Lent	Feb. 25
St. Patrick	Mar. 17
Palm Sunday	April 1
Good Friday	April 6
Easter Sunday	April 8
Low Sunday	April 15
Rogation Sunday	May 13
Ascension Day—Holy Thursday	May 17
Pentecost—Whit Sunday	May 27
Trinity Sunday	June 3
Corpus Christi	June 7
St. John Baptist	June 24
Michaelmas Day	Sept. 29
St. Andrew	Nov. 30
First Sunday in Advent	Dec. 2
Christmas Day	Dec. 25

CHRONOLOGICAL CYCLES.

Dominical Letter	G
Epact	6
Lunar Cycle, or Golden Number	18
Solar Cycle	22
Roman Indiction	15
Julian Period	6630

THE SEASONS.

Eastern Standard.		Central Standard.	
Vernal Equinox...	Mar. 20, 11h. A.	Mar. 20, 10h. A.	
Summer Solstice.....	June 21, 7h. A.	June 21, 6h. A.	
Autumnal Equinox.....	Sept. 23, 10h. M.	Sept. 23, 9h. M.	
Winter Solstice.	Dec. 22, 4h. M.	Dec. 22, 3h. M.	
Mountain Standard.		Pacific Standard.	
Vernal Equinox.....	Mar. 20, 9h. A.	Mar. 20, 8h. A.	
Summer Solstice.....	June 21, 5h. A.	June 21, 4h. A.	
Autumnal Equinox.....	Sept. 23, 8h. M.	Sept. 23, 7h. M.	
Winter Solstice.....	Dec. 22, 2h. M.	Dec. 22, 1h. M.	

MORNING STARS.

MERCURY.—About February 12, June 11 and October 4.
 VENUS.—January 1 to April 26.
 MARS.—February 28 to end of year.
 JUPITER.—May 9 to November 28.
 SATURN.—January 1 to January 17; July 27 to end of year.

EVENING STARS.

MERCURY.—About January 2, April 24, August 22 and December 17.
 VENUS.—April 26 to end of year.
 MARS.—January 1 to February 28.
 JUPITER.—January 1 to May 9; November 28 to end of year.
 SATURN.—January 17 to July 27.

ECLIPSES FOR THE YEAR.

In the year 1917 there will be seven Eclipses, four of the Sun and three of the Moon.

I. A TOTAL ECLIPSE OF THE MOON, January 7-8. Visible to North and South America, and in part to central and western Europe, northwestern Africa, northern and northeastern Asia, and eastern Australia. Occurring as follows:

Standard	Eastern	Central	Mountain	Pacific
	d. h. m.	d. h. m.	d. h. m.	d. h. m.
Moon enters penumbra..	7 11 36 A.	7 10 36 A.	7 9 36 A.	7 8 36 A.
Moon enters shadow....	8 0 50 M.	7 11 50 A.	7 10 50 A.	7 9 50 A.
Total eclipse begins.....	8 2 0 M.	8 1 0 M.	8 0 0 M.	7 11 0 A.
Middle of eclipse	8 2 44 M.	8 1 44 M.	8 0 44 M.	7 11 44 A.
Total eclipse ends.....	8 3 29 M.	8 2 29 M.	8 1 29 M.	8 0 29 M.
Moon leaves shadow....	8 4 38 M.	8 3 38 M.	8 2 38 M.	8 1 38 M.
Moon leaves penumbra..	8 5 53 M.	8 4 53 M.	8 3 53 M.	8 2 53 M.

First contact of shadow, 63 degrees from the south point of the Moon's limb toward the east.

Magnitude of eclipse, 1.369 (Moon's diameter, 1.0).

II. A PARTIAL ECLIPSE OF THE SUN, January 23. Invisible. Visible to Europe except the extreme western portions, western Asia, and the northern part of Africa.

III. A PARTIAL ECLIPSE OF THE SUN, June 19. Visible to a small section in the extreme northwestern part of the United States, western Canada, Alaska, the northern portions of Europe and Asia, and the Arctic regions.

IV. A TOTAL ECLIPSE OF THE MOON, July 4-5. Invisible. Visible to Africa, and in part to South America, Australia, and the greater part of Europe and Asia.

V. A PARTIAL ECLIPSE OF THE SUN, July 19. Invisible. Visible in the Southern Ocean. Small and unimportant.

VI. AN ANNULAR ECLIPSE OF THE SUN, December 14. Invisible. Visible to the southeastern edge of South America, southwestern Australia, and the Antarctic regions.

VII. A TOTAL ECLIPSE OF THE MOON, December 27-28. Visible to North America and eastern Asia, and in part to South America and Australia. Occurring as follows:

Standard	Eastern	Central	Mountain	Pacific
	d. h. m.	d. h. m.	d. h. m.	d. h. m.
Moon enters penumbra..	28 1 53 M.	28 0 53 M.	27 11 53 A.	27 10 53 A.
Moon enters shadow....	28 3 5 M.	28 2 5 M.	28 1 5 M.	28 0 5 M.
Total eclipse begins.....	28 4 38 M.	28 3 38 M.	28 2 38 M.	28 1 38 M.
Middle of eclipse	28 4 46 M.	28 3 46 M.	28 2 46 M.	28 1 46 M.
Total eclipse ends.....	28 4 54 M.	28 3 54 M.	28 2 54 M.	28 1 54 M.
Moon leaves shadow....	28 6 27 M.	28 5 27 M.	28 4 27 M.	28 3 27 M.
Moon leaves penumbra..	28 7 39 M.	28 6 39 M.	28 5 39 M.	28 4 39 M.

First contact of shadow, 72 degrees from the north point of the Moon's limb toward the east.

Magnitude of eclipse, 1.011 (Moon's diameter, 1.0).

The Calendars for the Latitude of Boston and Chicago

May be used for Central and Southern New England, Central New York, Southern Michigan, Southern Wisconsin, Northern Iowa, Northern Nebraska, South Dakota, and Wyoming.

The Calendars for the Latitude of New York and Philadelphia

May be used for Southern New York, New Jersey, Pennsylvania, Northern Ohio, Northern Indiana, Northern Illinois, Southern Iowa, and Southern Nebraska.

The Calendars for the Latitude of Washington, Cincinnati, etc.

May be used for Delaware, Maryland, the Virginias, Southern Ohio, Southern Indiana, Southern Illinois, Kentucky, Missouri, Kansas, and Colorado.

THE SIZE OF THE SEAS.

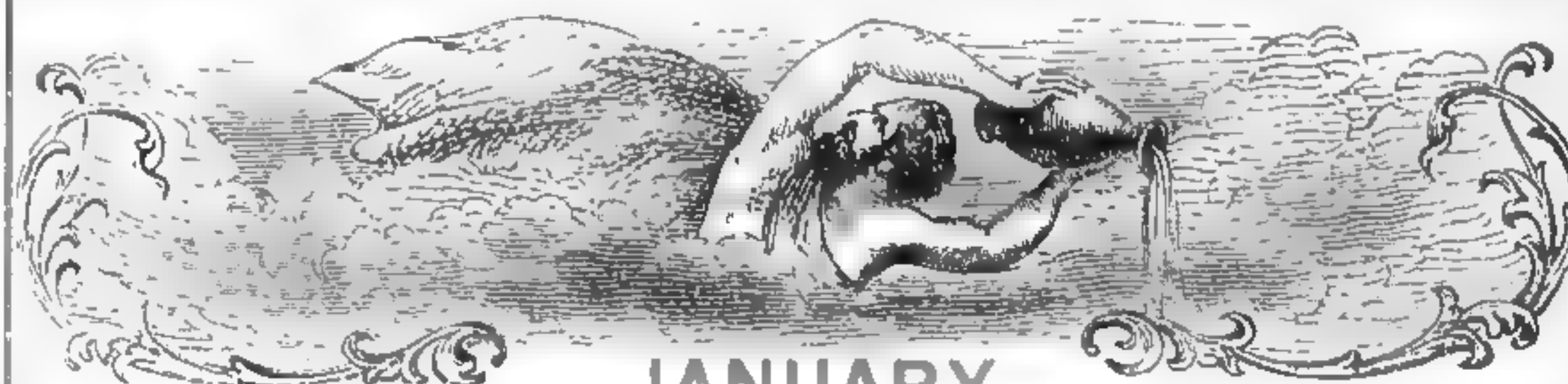
	Miles Long
Mediterranean.....	2,000
Caribbean.....	1,800
Red.....	1,400
Black.....	932
Baltic.....	600

AREA OF OCEANS IN SQUARE MILES.

Pacific	70,000,000
Atlantic.....	35,000,000
Indian	23,000,000
Southern	7,000,000
Arctic.....	4,000,000

SIZE OF THE GREAT LAKES.

	Miles Long.	Miles Wide.
Superior	380	120
Michigan.....	330	60
Ontario	170	40
Champlain	123	12
Erie	270	50
Huron.....	250	90
Winnipeg	240	40
Athabaska	200	20



JANUARY

MOON'S PHASES. (In Standard Time).					EASTERN DIVISION.			CENTRAL DIVISION.		
FULL MOON.....					8d.	2h. 42m. A.M.		8d.	1h. 42m. A.M.	
LAST QUARTER.....					16d.	6h. 42m. A.M.		16d.	5h. 42m. A.M.	
NEW MOON.....					23d.	2h. 40m. A.M.		23d.	1h. 40m. A.M.	
FIRST QUARTER					29d.	8h. 1m. P.M.		29d.	7h. 1m. P.M.	
1917					LATITUDE OF BOSTON AND CHICAGO.			LATITUDE OF NEW YORK AND PHILADELPHIA.		
D.O.M.	Day of W'k.	Local Mean Time.		Boston Tide. Stand. Time.	Local Mean Time.		N. Y. Tide. Stand. Time.	Local Mean Time.		LAT. OF WASH. CIN. & ST. LOUIS. Local Mean Time.
		SUN R. & S.	MOON R. & S.		SUN R. & S.	MOON R. & S.		SUN R. & S.	MOON R. & S.	
1	Mo.	r7 30	1 9	5 9	r7 24	1 6	2 7	r7 19	1 5	
2	Tu.	s4 39	2 18	6 7	s4 44	2 14	3 5	s4 49	2 11	
3	We.	r7 30	3 25	7 6	r7 25	3 20	4 3	r7 19	3 15	
4	Th.	s4 41	4 29	8 5	s4 46	4 23	5 1	s4 51	4 17	
5	Fr.	r7 30	5 28	9 1	r7 25	5 22	5 59	r7 19	5 15	
6	Sa.	s4 43	6 20	9 53	s4 48	6 14	6 51	s4 53	6 7	
7	S	r7 30	7 5	10 42	r7 25	6 59	7 37	r7 19	6 53	
8	Mo.	s4 45	rises	11 24	s4 50	rises	8 18	s4 55	rises	
9	Tu.	r7 29	6 15	.....	r7 24	6 19	9 1	r7 19	6 24	
10	We.	s4 47	7 16	0 22	s4 52	7 19	9 39	s4 57	7 23	
11	Th.	r7 29	8 17	1 0	r7 24	8 19	10 15	r7 19	8 21	
12	Fr.	s4 49	9 17	1 36	s4 54	9 18	10 49	s4 59	9 19	
13	Sa.	r7 28	10 18	2 12	r7 23	10 17	11 25	r7 18	10 18	
14	S	s4 51	11 21	2 49	s4 56	11 19	.....	s5 1	11 18	
15	Mo.	r7 27	morn	3 28	r7 23	morn	0 27	r7 18	morn	
16	Tu.	s4 54	0 26	4 14	s4 58	0 23	1 13	s5 3	0 21	
17	We.	r7 26	1 33	5 8	r7 22	1 29	2 7	r7 17	1 26	
18	Th.	s4 56	2 42	6 9	s5 1	2 37	3 7	s5 5	2 32	
19	Fr.	r7 25	3 52	7 16	r7 20	3 46	4 13	r7 16	3 40	
20	Sa.	s4 59	4 59	8 25	s5 3	4 53	5 23	s5 8	4 46	
21	S	r7 24	5 59	9 32	r7 19	5 53	6 30	r7 15	5 47	
22	Mo.	s5 1	6 48	10 33	s5 5	6 43	7 28	s5 10	6 38	
23	Tu.	r7 22	sets	11 26	r7 18	sets	8 21	r7 14	sets	
24	We.	s5 4	7 9	.....	s5 8	7 11	9 13	s5 12	7 14	
25	Th.	r7 21	8 26	0 39	r7 17	8 27	9 59	r7 12	8 28	
26	Fr.	s5 6	9 42	1 25	s5 10	9 41	10 42	s5 14	9 41	
27	Sa.	r7 20	10 56	2 10	r7 15	10 54	11 28	r7 11	10 52	
28	S	s5 9	morn	2 55	s5 13	morn	.....	s5 17	morn	
29	Mo.	r7 17	0 6	3 43	r7 13	0 2	0 42	r7 10	0 0	
30	Tu.	s5 11	1 15	4 37	s5 15	1 10	1 36	s5 19	1 6	
31	We.	r7 15	2 21	5 38	r7 12	2 15	2 36	r7 8	2 10	



FEBRUARY

MOON'S PHASES. (In Standard Time)	EASTERN DIVISION.	CENTRAL DIVISION.
FULL MOON	6d. 10h. 28m. P.M.	6d. 9h. 28m. P.M.
LAST QUARTER	14d. 8h. 53m. P.M.	14d. 7h. 53m. P.M.
NEW MOON	21d. 1h. 9m. P.M.	21d. 0h. 9m. P.M.
FIRST QUARTER	28d. 11h. 44m. A.M.	28d. 10h. 44m. A.M.

1917		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning	Local Mean Time.		N. Y. Tide.	Morning	Local Mean Time.		N. Y. Tide.	Morning
		SUN R. & S.	MOON R. & S.	Stand. Time.		SUN R. & S.	MOON R. & S.	Stand. Time.		SUN R. & S.	MOON R. & S.	Stand. Time.	
1	TH.	r7 14	3 22	6 40	r7 11	3 16	3 37	r7 7	3 10				
2	FR.	s5 15	4 17	7 42	s5 19	4 11	4 38	s5 22	4 4				
3	SA.	r7 12	5 4	8 40	r7 9	4 58	5 38	r7 5	4 52				
4	S	s5 18	5 43	9 31	s5 21	5 38	6 29	s5 25	5 32				
5	MO.	r7 10	6 16	10 17	r7 7	6 11	7 14	r7 3	6 7				
6	TU.	s5 20	rises	10 58	s5 24	rises	7 52	s5 27	rises				
7	WE.	r7 8	6 9	11 34	r7 5	6 11	8 29	r7 1	6 14				
8	TH.	s5 23	7 11	.....	s5 26	7 12	9 7	s5 29	7 14				
9	FR.	r7 5	8 12	0 26	r7 2	8 12	9 42	r6 59	8 13				
10	SA.	s5 26	9 13	1 1	s5 28	9 12	10 16	s5 32	9 11				
11	S	r7 3	10 16	1 37	r7 0	10 13	10 50	r6 57	10 12				
12	MO.	s5 28	11 21	2 15	s5 31	11 17	11 30	s5 34	11 14				
13	TU.	r7 0	morn	2 56	r6 57	morn	.....	r6 55	morn				
14	WE.	s5 31	0 28	3 43	s5 33	0 23	0 42	s5 36	0 18				
15	TH.	r6 57	1 36	4 40	r6 55	1 30	1 39	r6 52	1 25				
16	FR.	s5 33	2 42	5 47	s5 36	2 36	2 45	s5 38	2 30				
17	SA.	r6 55	3 42	6 59	r6 52	3 36	3 56	r6 50	3 30				
18	S	s5 36	4 34	8 11	s5 38	4 28	5 8	s5 41	4 23				
19	MO.	r6 52	5 19	9 17	r6 49	5 14	6 15	r6 47	5 10				
20	TU.	s5 38	5 58	10 15	s5 41	5 55	7 12	s5 43	5 52				
21	WE.	r6 49	sets	11 6	r6 46	sets	8 0	r6 44	sets				
22	TH.	s5 41	7 14	11 50	s5 43	7 14	8 46	s5 45	7 15				
23	FR.	r6 46	8 31	0 11	r6 44	8 29	9 32	r6 42	8 29				
24	SA.	s5 43	9 46	0 56	s5 45	9 43	10 15	s5 47	9 41				
25	S	r6 43	10 58	1 41	r6 41	10 54	10 59	r6 39	10 50				
26	MO.	s5 46	morn	2 28	s5 48	morn	11 48	s5 49	11 57				
27	TU.	r6 40	0 8	3 16	r6 38	0 3	0 14	r6 36	morn				
28	WE.	s5 48	1 13	4 11	s5 50	1 7	1 10	s5 51	1 1				
...				
...				
...				



MARCH

MOON'S PHASES. (In Standard Time)	EASTERN DIVISION.	CENTRAL DIVISION.
FULL MOON	8d. 4h. 58m. P.M.	8d. 3h. 58m. P.M.
LAST QUARTER	16d. 7h. 33m. A.M.	16d. 6h. 33m. A.M.
NEW MOON	22d. 11h. 5m. P.M.	22d. 10h. 5m. P.M.
FIRST QUARTER	30d. 5h. 36m. A.M.	30d. 4h. 36m. A.M.

1917		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning	Local Mean Time.		N. Y. Tide.	Morning	Local Mean Time.		N. Y. Tide.	Morning
		SUN R. & S.	MOON R. & S.	Stand. Time.		SUN R. & S.	MOON R. & S.	Stand. Time.		SUN R. & S.	MOON R. & S.	Stand. Time.	
1	TH.	r6 36	2 11	5 11	r6 35	2 5	2 9	r6 33	1 58				
2	FR.	s5 51	3 0	6 14	s5 52	2 54	3 12	s5 53	2 48				
3	SA.	r6 33	3 42	7 15	r6 32	3 36	4 12	r6 30	3 31				
4	S	s5 53	4 17	8 12	s5 54	4 12	5 8	s5 56	4 7				
5	MO.	r6 30	4 47	9 1	r6 29	4 43	5 59	r6 28	4 39				
6	TU.	s5 56	5 13	9 45	s5 57	5 10	6 43	s5 58	5 8				
7	WE.	r6 27	5 36	10 25	r6 26	5 34	7 22	r6 25	5 33				
8	TH.	s5 58	rises	11 2	s5 59	rises	7 56	s6 0	rises				
9	FR.	r6 23	7 5	11 35	r6 22	7 4	8 31	r6 22	7 4				
10	SA.	s6 0	8 9	.....	s6 1	8 7	9 9	s6 2	8 6				
11	S	r6 20	9 14	0 29	r6 19	9 11	9 46	r6 19	9 8				
12	MO.	s6 3	10 20	1 7	s6 3	10 16	10 24	s6 4	10 11				
13	TU.	r6 16	11 26	1 48	r6 16	11 21	11 4	r6 15	11 15				
14	WE.	s6 5	morn	2 34	s6 5	morn	11 56	s6 6	morn				
15	TH.	r6 13	0 31	3 26	r6 13	0 25	0 24	r6 12	0 19				
16	FR.	s6 7	1 32	4 25	s6 8	1 26	1 24	s6 8	1 20				
17	SA.	r6 9	2 27	5 34	r6 9	2 21	2 32	r6 9	2 15				
18	S	s6 10	3 13	6 46	s6 10	3 8	3 44	s6 10	3 3				
19	MO.	r6 6	3 51	7 56	r6 6	3 47	4 52	r6 6	3 44				
20	TU.	s6 12	4 24	8 57	s6 12	4 21	5 54	s6 12	4 20				
21	WE.	r6 3	4 53	9 50	r6 3	4 52	6 48	r6 3	4 51				
22	TH.	s6 14	5 20	10 40	s6 14	5 20	7 35	s6 14	5 21				
23	FR.	r5 59	sets	11 24	r5 59	sets	8 18	r6 0	sets				
24	SA.	s6 16	8 33	.....	s6 16	8 29	9 4	s6 15	8 27				
25	S	r5 56	9 46	0 28	r5 56	9 41	9 50	r5 57	9 37				
26	MO.	s6 18	10 55	1 15	s6 18	10 49	10 34	s6 17	10 44				
27	TU.	r5 52	11 58	2 3	r5 53	11 52	11 23	r5 53	11 46				
28	WE.	s6 21	morn	2 52	s6 20	morn	.....	s6 19	morn				
29	TH.	r5 49	0 52	3 45	r5 49	0 46	0 44	r5 50	0 40				
30	FR.	s6 23	1 39	4 42	s6 22	1 33	1 41	s6 21	1 27				
31	SA.	r5 45	2 17	5 41	r5 46	2 12	2 39	r5 47	2 7				



APRIL

MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.		CENTRAL DIVISION.	
FULL MOON	7d.	8h. 49m. A.M.	7d.	7h. 49m. A.M.
LAST QUARTER	14d.	3h. 12m. P.M.	14d.	2h. 12m. P.M.
NEW MOON	21d.	9h. 1m. A.M.	21d.	8h. 1m. A.M.
FIRST QUARTER	29d.	0h. 22m. A.M.	28d.	11h. 22m. P.M.

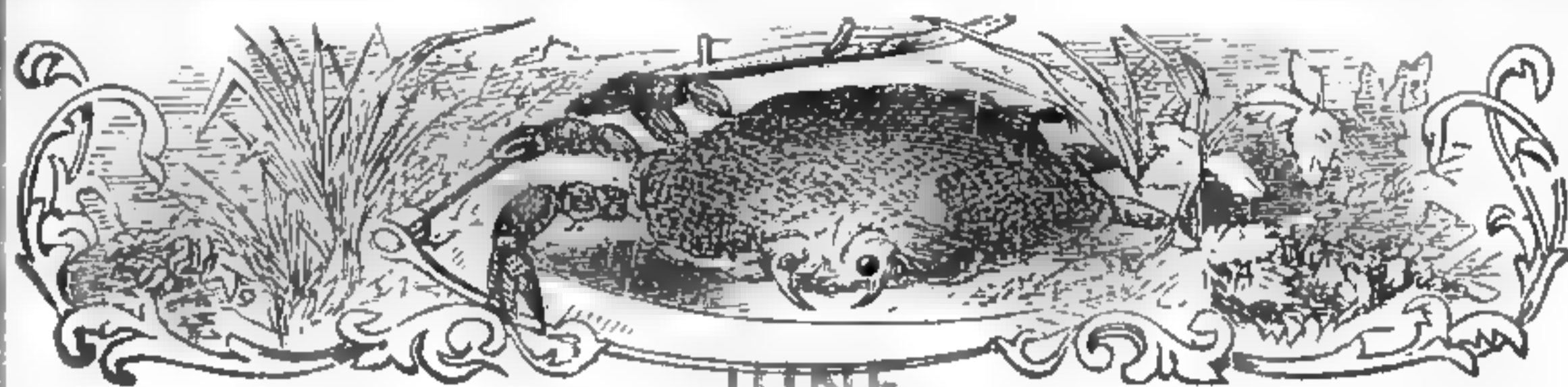
1917		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D.of M.	Day of W'k.	SUN R.&S.	MOON R.&S.	Local Mean Time.	Boston Tide.	SUN R.&S.	MOON R.&S.	Local Mean Time.	N. Y. Tide.	SUN R.&S.	MOON R.&S.	Local Mean Time.	N. Y. Tide.
1	S	15 43	2 48	6 39	15 44	2 44	3 36	15 46	2 41				
2	Mo.	16 26	3 15	7 33	16 25	3 12	4 29	16 24	3 10				
3	Tu.	15 40	3 39	8 21	15 41	3 37	5 17	15 43	3 36				
4	We.	16 29	4 1 9	5 5	16 27	4 0	6 3	16 26	4 0				
5	Th.	15 36	4 22	9 47	15 38	4 22	6 45	15 39	4 23				
6	Fr.	16 31	4 44	10 26	16 29	4 45	7 22	16 28	4 47				
7	Sa.	15 33	rises	11 4	15 35	rises	7 57	15 36	rises				
8	S	16 33	8 10	11 42	16 32	8 6	8 39	16 30	8 3				
9	Mo.	15 30	9 18	0 2	15 31	9 13	9 21	15 33	9 8				
10	Tu.	16 35	10 24	0 45	16 34	10 18	10 5	16 32	10 12				
11	We.	15 26	11 26	1 32	15 28	11 20	10 50	15 30	11 14				
12	Th.	16 38	morn	2 22	16 36	morn	11 45	16 34	morn				
13	Fr.	15 23	0 22	3 16	15 25	0 16	0 15	15 27	0 10				
14	Sa.	16 40	1 10	4 18	16 38	1 5	1 16	16 36	0 59				
15	S	15 20	1 50	5 23	15 22	1 46	2 21	15 24	1 42				
16	Mo.	16 42	2 24	6 29	16 40	2 21	3 27	16 38	2 19				
17	Tu.	15 17	2 54	7 33	15 19	2 52	4 30	15 21	2 51				
18	We.	16 44	3 20	8 31	16 42	3 20	5 27	16 39	3 20				
19	Th.	15 14	3 46	9 22	15 16	3 47	6 21	15 19	3 49				
20	Fr.	16 46	4 14	10 12	16 44	4 16	7 9	16 41	4 19				
21	Sa.	15 10	sets	10 58	15 13	sets	7 53	15 16	sets				
22	S	16 49	8 34	11 43	16 46	8 29	8 38	16 43	8 24				
23	Mo.	15 7	9 41	0 6	15 10	9 35	9 28	15 13	9 29				
24	Tu.	16 51	10 40	0 53	16 48	10 34	10 14	16 45	10 28				
25	We.	15 4	11 31	1 42	15 7	11 25	11 1	15 10	11 19				
26	Th.	16 53	morn	2 30	16 50	morn	11 51	16 47	morn				
27	Fr.	15 1	0 13	3 19	15 4	0 8	0 17	15 8	0 2				
28	Sa.	16 55	0 47	4 9	16 52	0 42	1 8	16 49	0 38				
29	S	14 59	1 16	5 1	15 2	1 12	1 59	15 5	1 10				
30	Mo.	16 58	1 41	5 53	16 54	1 38	2 51	16 51	1 37				



MAY

MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.		CENTRAL DIVISION.	
FULL MOON	6d.	9h. 43m. P.M.	6d.	8h. 43m. P.M.
LAST QUARTER	13d.	8h. 48m. P.M.	13d.	7h. 48m. P.M.
NEW MOON	20d.	7h. 47m. P.M.	20d.	6h. 47m. P.M.
FIRST QUARTER	28d.	6h. 33m. P.M.	28d.	5h. 33m. P.M.

1917		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D.of M.	Day of W'k.	SUN R.&S.	MOON R.&S.	Local Mean Time.	Boston Tide.	SUN R.&S.	MOON R.&S.	Local Mean Time.	N. Y. Tide.	SUN R.&S.	MOON R.&S.	Local Mean Time.	N. Y. Tide.
1	Tu.	14 56	2 4	6 44	14 59	2 3	3 41	15 3	2 2				
2	We.	17 0	2 26	7 33	16 56	2 26	4 29	16 53	2 26				
3	Th.	14 53	2 48	8 20	14 57	2 49	5 16	15 0	2 50				
4	Fr.	17 2	3 10	9 5	16 58	3 12	6 3	16 55	3 15				
5	Sa.	14 50	3 35	9 49	14 54	3 38	6 47	14 58	3 42				
6	S	17 4	4 5	10 35	17 1	4 9	7 31	16 57	4 14				
7	Mo.	14 48	rises	11 19	14 52	rises	8 13	14 56	rises				
8	Tu.	17 6	9 18	....	17 3	9 12	9 4	16 58	9 6				
9	We.	14 46	10 17	0 30	14 49	10 11	9 53	14 54	10 5				
10	Th.	17 9	11 7	1 21	17 5	11 2	10 43	17 0	10 56				
11	Fr.	14 43	11 49	2 14	14 47	11 44	11 37	14 52	11 40				
12	Sa.	17 11	morn	3 8	17 7	morn	0 6	17 2	morn				
13	S	14 41	0 24	4 5	14 45	0 21	1 4	14 50	0 18				
14	Mo.	17 13	0 55	5 4	17 9	0 53	2 2	17 4	0 52				
15	Tu.	14 39	1 23	6 4	14 43	1 22	3 2	14 48	1 22				
16	We.	17 15	1 49	7 4	17 11	1 49	4 0	17 6	1 51				
17	Th.	14 37	2 15	8 1	14 41	2 17	4 58	14 46	2 19				
18	Fr.	17 17	2 43	8 56	17 12	2 46	5 53	17 8	2 50				
19	Sa.	14 35	3 15	9 48	14 40	3 19	6 45	14 44	3 24				
20	S	17 19	3 53	10 37	17 14	3 58	7 33	17 9	4 4				
21	Mo.	14 33	sets	11 24	14 38	sets	8 19	14 43	sets				
22	Tu.	17 21	9 22	....	17 16	9 16	9 8	17 11	9 10				
23	We.	14 32	10 7	0 33	14 36	10 1	9 55	14 41	9 56				
24	Th.	17 23	10 44	1 20	17 18	10 39	10 38	17 13	10 34				
25	Fr.	14 30	11 15	2 5	14 35	11 11	11 21	14 40	11 7				
26	Sa.	17 25	11 42	2 47	17 19	11 39	....	17 14	11 37				
27	S	14 28	morn	3 31	14 34	morn	0 29	14 39	morn				
28	Mo.	17 26	0 6	4 15	17 21	0 4	1 14	17 16	0 3				
29	Tu.	14 27	0 28	5 2	14 32	0 27	2 0	14 38	0 27				
30	We.	17 28	0 49	5 51	17 23	0 49	2 49	17 17	0 51				
31	Th.	14 26	1 11	6 41	14 31	1 12	3 38	14 37	1 15				



JUNE

MOON'S PHASES. (In Standard Time.)

FULL MOON	5d. 8h. 7m. A.M.	5d. 7h. 7m. A.M.
LAST QUARTER	12d. 1h. 38m. A.M.	12d. oh. 38m. A.M.
NEW MOON	19d. 8h. 2m. A.M.	19d. 7h. 2m. A.M.
FIRST QUARTER	27d. 11h. 8m. A.M.	27d. 10h. 8m. A.M.

EASTERN DIVISION. CENTRAL DIVISION.

1917		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.	
D.of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning	Local Mean Time.		N. Y. Tide.	Morning	Local Mean Time.	
		SUN R.& S.	MOON R.& S.	Stand. Time.		SUN R.& S.	MOON R.& S.	Stand. Time.		SUN R.& S.	MOON R.& S.
1	FR.	r4 26	1 35	7 33		r4 31	1 38	4 29		r4 36	1 41
2	SA.	s7 30	2 3	8 26		s7 25	2 7	5 22		s7 19	2 11
3	S	r4 25	2 37	9 18		r4 30	2 42	6 16		r4 36	2 47
4	MO.	s7 32	3 17	10 11		s7 26	3 22	7 8		s7 21	3 29
5	TU.	r4 24	rises	11 3		r4 29	rises	7 57		r4 35	rises
6	WE.	s7 33	9 2	11 53		s7 28	8 56	8 51		s7 22	8 50
7	TH.	r4 23	9 48	0 19		r4 29	9 43	9 44		r4 34	9 38
8	FR.	s7 34	10 26	1 12		s7 29	10 22	10 32		s7 23	10 19
9	SA.	r4 23	10 58	2 3		r4 28	10 55	11 22		r4 34	10 54
10	S	s7 36	11 26	2 53		s7 30	11 25	.....		s7 24	11 25
11	MO.	r4 22	11 52	3 44		r4 28	11 52	0 42		r4 34	11 53
12	TU.	s7 37	morn	4 37		s7 31	morn	1 36		s7 25	morn
13	WE.	r4 22	0 18	5 34		r4 28	0 19	2 32		r4 34	0 22
14	TH.	s7 38	0 46	6 34		s7 32	0 49	3 31		s7 26	0 52
15	FR.	r4 22	1 17	7 34		r4 28	1 21	4 31		r4 34	1 26
16	SA.	s7 38	1 51	8 32		s7 33	1 56	5 29		s7 27	2 2
17	S	r4 22	2 31	9 27		r4 28	2 37	6 25		r4 34	2 43
18	MO.	s7 39	3 18	10 20		s7 33	3 24	7 17		s7 27	3 31
19	TU.	r4 23	sets	11 8		r4 28	sets	8 3		r4 34	sets
20	WE.	s7 40	8 43	11 52		s7 34	8 38	8 49		s7 28	8 33
21	TH.	r4 23	9 17	0 13		r4 29	9 13	9 33		r4 34	9 9
22	FR.	s7 40	9 45	0 55		s7 34	9 42	10 12		s7 29	9 39
23	SA.	r4 23	10 9	1 35		r4 29	10 7	10 49		r4 35	10 5
24	S	s7 40	10 31	2 14		s7 35	10 30	11 28		s7 29	10 30
25	MO.	r4 24	10 52	2 51		r4 30	10 52	.....		r4 35	10 53
26	TU.	s7 40	11 14	3 31		s7 35	11 15	0 29		s7 29	11 17
27	WE.	r4 25	11 37	4 18		r4 30	11 39	1 12		r4 36	11 42
28	TH.	s7 40	morn	5 1		s7 35	morn	1 59		s7 29	morn
29	FR.	r4 25	0 2	5 52		r4 31	0 5	2 50		r4 37	0 9
30	SA.	s7 40	0 31	6 50		s7 35	0 35	3 47		s7 29	0 40



JULY

MOON'S PHASES. (In Standard Time.)

FULL MOON	4d. 4h. 40m. P.M.	4d. 3h. 40m. P.M.
LAST QUARTER	11d. 7h. 12m. A.M.	11d. 6h. 12m. A.M.
NEW MOON	18d. 10h. om. P.M.	18d. 9h. om. P.M.
FIRST QUARTER	27d. 1h. 40m. A.M.	27d. oh. 40m. A.M.

EASTERN DIVISION. CENTRAL DIVISION.

1917		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.	
D.of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning	Local Mean Time.		N. Y. Tide.	Morning	Local Mean Time.	
		SUN R.& S.	MOON R.& S.	Stand. Time.		SUN R.& S.	MOON R.& S.	Stand. Time.		SUN R.& S.	MOON R.& S.
1	S	r4 26	1 8	7 51		r4 32	1 13	4 48		r4 38	1 19
2	MO.	s7 40	1 54	8 52		s7 35	2 0	5 49		s7 29	2 7
3	TU.	r4 27	2 49	9 52		r4 33	2 55	6 50		r4 39	3 2
4	WE.	s7 40	rises	10 50		s7 34	rises	7 45		s7 29	rises
5	TH.	r4 29	8 22	11 41		r4 34	8 18	8 38		r4 40	8 13
6	FR.	s7 39	8 57	0 7		s7 34	8 54	9 30		s7 28	8 52
7	SA.	r4 29	9 28	0 56		r4 36	9 26	10 17		r4 41	9 26
8	S	s7 38	9 56	1 44		s7 33	9 56	11 2		s7 28	9 56
9	MO.	r4 31	10 23	2 31		r4 37	10 24	11 51		r4 42	10 26
10	TU.	s7 38	10 50	3 18		s7 32	10 52	0 16		s7 27	10 55
11	WE.	r4 33	11 19	4 9		r4 38	11 22	1 8		r4 43	11 27
12	TH.	s7 37	11 52	5 6		s7 32	11 57	2 4		s7 26	morn
13	FR.	r4 34	morn	6 8		r4 39	morn	3 6		r4 45	0 2
14	SA.	s7 36	0 30	7 12		s7 31	0 35	4 9		s7 25	0 42
15	S	r4 36	1 15	8 13		r4 41	1 21	5 10		r4 46	1 28
16	MO.	s7 34	2 6	9 10		s7 29	2 12	6 9		s7 24	2 19
17	TU.	r4 38	3 3	10 3		r4 42	3 9	7 0		r4 48	3 16
18	WE.	s7 33	sets	10 49		s7 28	sets	7 44		s7 23	sets
19	TH.	r4 39	7 47	11 30		r4 44	7 43	8 25		r4 49	7 41
20	FR.	s7 32	8 13	.....		s7 27	8 10	9 5		s7 22	8 9
21	SA.	r4 41	8 36	0 26		r4 46	8 34	9 42		r4 51	8 34
22	S	s7 30	8 57	1 2		s7 25	8 56	10 17		s7 20	8 57
23	MO.	r4 43	9 18	1 38		r4 47	9 19	10 50		r4 52	9 20
24	TU.	s7 28	9 40	2 14		s7 24	9 42	11 27		s7 19	9 44
25	WE.	r4 45	10 4	2 50		r4 49	10 7	.....		r4 54	10 10
26	TH.	s7 26	10 32	3 31		s7 22	10 36	0 29		s7 17	10 40
27	FR.	r4 47	11 4	4 19		r4 51	11 9	1 18		r4 56	11 14
28	SA.	s7 24	11 44	5 14		s7 20	11 49	2 12		s7 15	11 56
29	S	r4 49	morn	6 16		r4 53	morn	3 14		r4 57	morn
30	MO.	s7 22	0 34	7 26		s7 18	0 40	4 22		s7 13	0 47
31	TU.	r4 51	1 34	8 33		r4 55	1 40	5 30		r4 59	1 47



AUGUST

MOON'S PHASES. (In Standard Time)				EASTERN DIVISION.				CENTRAL DIVISION.			
FULL MOON				3d.	oh.	11m.	A.M.	2d.	11h.	11m.	P.M.
LAST QUARTER.....				9d.	2h.	56m.	P.M.	9d.	1h.	56m.	P.M.
NEW MOON				17d.	1h.	21m.	P.M.	17d.	oh.	21m.	P.M.
FIRST QUARTER				25d.	2h.	8m.	P.M.	25d.	1h.	8m.	P.M.

1917		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D.	of M.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		Stand. Time.	Morning.
		SUN	MOON			SUN	MOON			SUN	MOON		
D.	W'k.	R.&S.	R.&S.	Stand. Time		R.&S.	R.&S.	Stand. Time		R.&S.	R.&S.		
1	WE.	r4	52	2	44	9	37	r4	56	2	49	6	35
2	TH.	s7	19	4	1	10	35	s7	15	4	5	7	30
3	FR.	r4	54	rises	11	24	r4	58	rises	8	19	r5	2
4	SA.	s7	16	7	57	.....	s7	13	7	56	9	10	s7
5	S	r4	56	8	24	0	35	r5	0	8	24	9	56
6	MO.	s7	14	8	52	1	21	s7	10	8	54	10	38
7	TU.	r4	58	9	22	2	6	r5	2	9	25	11	24
8	WE.	s7	11	9	54	2	53	s7	8	9	52	.....	s7
9	TH.	r5	0	10	31	3	45	r5	3	10	36	0	43
10	FR.	s7	9	11	14	4	42	s7	5	11	20	1	41
11	SA.	r5	2	morn	5	46	r5	5	morn	2	44	r5	9
12	S	s7	6	0	4	6	51	s7	3	0	10	3	49
13	MO.	r5	4	0	59	7	54	r5	7	1	5	4	51
14	TU.	s7	3	1	57	8	50	s7	3	2	2	5	47
15	WE.	r5	6	2	58	9	39	r5	9	3	3	6	37
16	TH.	s7	0	4	0	10	23	s6	57	4	4	7	20
17	FR.	r5	8	sets	11	3	r5	11	sets	7	57	r5	15
18	SA.	s6	57	7	3	11	37	s6	54	7	2	8	32
19	S	r5	11	7	25	.....	r5	13	7	25	9	9	r5
20	MO.	s6	54	7	46	0	27	s6	51	7	47	9	44
21	TU.	r5	13	8	9	1	3	r5	15	8	11	10	17
22	WE.	s6	51	8	35	1	39	s6	48	8	38	10	53
23	TH.	r5	15	9	5	2	18	r5	17	9	9	11	34
24	FR.	s6	48	9	40	3	0	s6	45	9	45	.....	s6
25	SA.	r5	17	10	24	3	48	r5	19	10	30	0	47
26	S	s6	45	11	18	4	46	s6	42	11	24	1	45
27	MO.	r5	19	morn	5	55	r5	21	morn	2	53	r5	24
28	TU.	s6	41	0	22	7	6	s6	39	0	28	4	3
29	WE.	r5	21	1	34	8	15	r5	23	1	39	5	12
30	TH.	s6	38	2	51	9	18	s6	36	2	55	6	16
31	FR.	r5	23	4	11	10	14	r5	25	4	13	7	11



SEPTEMBER

MOON'S PHASES. (In Standard Time)				EASTERN DIVISION.				CENTRAL DIVISION			
FULL MOON				1d.	7h.	28m.	A.M.	1d.	6h.	28m.	A.M.
LAST QUARTER.....				8d.	2h.	5m.	A.M.	8d.	1h.	5m.	A.M.
NEW MOON				16d.	5h.	27m.	A.M.	16d.	4h.	27m.	A.M.
FIRST QUARTER				24d.	oh.	41m.	A.M.	23d.	11h.	41m.	P.M.
FULL MOON				30d.	3h.	31m.	P.M.	30d.	2h.	31m.	P.M.

1917		LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D.	of M.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		Stand. Time.	Morning.
		SUN	MOON			SUN	MOON			SUN	MOON		
D.	W'k.	R.&S.	R.&S.	Stand. Time		R.&S.	R.&S.	Stand. Time		R.&S.	R.&S.		
1	SA.	r5	24	6	22	11	3	r5	26	6	22	7	57
2	S	s6	33	6	51	11	47	s6	31	6	52	8	44
3	MO.	r5	26	7	21	0	10	r5	28	7	23	9	31
4	TU.	s6	30	7	53	0	56	s6	28	7	57	10	16
5	WE.	r5	29	8	29	1	43	r5	30	8	34	11	1
6	TH.	s6	26	9	11	2	32	s6	25	9	16	11	54
7	FR.	r5	31	9	59	3	23	r5	32	10	5	0	22
8	SA.	s6	23	10	53	4	21	s6	22	10	59	1	20
9	S	r5	33	11	51	5	24	r5	34	11	56	2	23
10	MO.	s6	19	morn	6	27	s6	18	morn	3	25	s6	17
11	TU.	r5	35	0	51	7	27	r5	36	0	56	4	23
12	WE.	s6	16	1	53	8	20	s6	15	1	57	5	17
13	TH.	r5	37	2	55	9	7	r5	38	2	58	6	5
14	FR.	s6	12	3	55	9	51	s6	12	3	57	6	47
15	SA.	r5	39	4	54	10	28	r5	40	4	55	7	24
16	S	s6	9	sets	11	3	s6	8	sets	7	57	s6	8
17	MO.	r5	41	6	16	11	37	r5	42	6	18	8	33
18	TU.	s6	5	6	40	.....	s6	5	6	43	9	11	s6
19	WE.	r5	43	7	8	0	31	r5	44	7	12	9	49
20	TH.	s6	2	7	42	1	10	s6	1	7	47	10	27
21	FR.	r5	46	8	23	1	52	r5	46	8	29	11	10
22	SA.	s5	58	9	12	2	38	s5	58	9	18	.....	s5
23	S	r5	48	10	10	3	31	r5	48	10	16	0	29
24	MO.	s5	55	11	17	4	31	s5	55	11	22	1	30
25	TU.	r5	50	morn	5	38	r5	50	morn	2	36	r5	50
26	WE.	s5	51	0	29	6	47	s5	51	0	33	3	44
27	TH.	r5	52	1	44	7	53	r5	52	1	47	4	50
28	FR.	s5	48	3	2	8	53	s5	48	3	4	5	50
29	SA.	r5	54	4	20	9	47	r5	54	4	20	6	45
30	S	s5	44	5	38	10	37	s5	45	5	37	7	32



OCTOBER

MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.				CENTRAL DIVISION.			
LAST QUARTER.....	7d.	5h.	14m.	P.M.	7d.	4h.	14m.	P.M.
NEW MOON.....	15d.	9h.	41m.	P.M.	15d.	8h.	41m.	P.M.
FIRST QUARTER.....	23d.	9h.	38m.	A.M.	23d.	8h.	38m.	A.M.
FULL MOON.....	30d.	1h.	19m.	A.M.	30d.	oh.	19m.	A.M.

1917				LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		SUN R.& S.	MOON R.& S.	SUN R.& S.	MOON R.& S.
		SUN	MOON			SUN	MOON			SUN	MOON				
1	Mo.	5 56	5 48	11 23		5 56	5 51	8 17		5 55	5 55				
2	Tu.	5 41	6 23	.....		5 41	6 27	9 6		5 42	6 32				
3	We.	5 59	7 4	0 32		5 58	7 9	9 54		5 57	7 15				
4	Th.	5 37	7 51	1 21		5 38	7 57	10 41		5 39	8 4				
5	Fr.	6 1	8 45	2 11		6 0	8 51	11 33		5 59	8 58				
6	Sa.	5 34	9 43	3 3		5 35	9 49	0 0		5 36	9 55				
7	S	6 3	10 44	3 58		6 2	10 49	0 56		6 1	10 55				
8	Mo.	5 31	11 45	4 55		5 32	11 49	1 54		5 33	11 54				
9	Tu.	6 5	morn	5 53		6 4	morn	2 51		6 3	morn				
10	We.	5 27	0 46	6 48		5 28	0 49	3 46		5 30	0 53				
11	Th.	6 8	1 47	7 40		6 6	1 49	4 36		6 5	1 52				
12	Fr.	5 24	2 47	8 26		5 25	2 48	5 22		5 27	2 50				
13	Sa.	6 10	3 46	9 9		6 8	3 46	6 7		6 7	3 47				
14	S	5 21	4 46	9 50		5 22	4 45	6 48		5 24	4 45				
15	Mo.	6 13	5 47	10 29		6 11	5 45	7 25		6 9	5 44				
16	Tu.	5 17	sets	11 7		5 19	sets	8 1		5 21	sets				
17	We.	6 15	5 44	11 46		6 13	5 49	8 42		6 11	5 54				
18	Th.	5 14	6 23	0 6		5 16	6 28	9 26		5 18	6 35				
19	Fr.	6 17	7 10	0 49		6 15	7 16	10 9		6 13	7 23				
20	Sa.	5 11	8 5	1 36		5 13	8 11	10 56		5 15	8 18				
21	S	6 19	9 8	2 26		6 17	9 13	11 47		6 15	9 20				
22	Mo.	5 8	10 17	3 18		5 10	10 22	0 16		5 13	10 27				
23	Tu.	6 22	11 30	4 16		6 19	11 33	1 15		6 17	11 38				
24	We.	5 5	morn	5 19		5 8	morn	2 17		5 10	morn				
25	Th.	6 24	0 44	6 22		6 22	0 46	3 20		6 19	0 50				
26	Fr.	5 2	1 59	7 26		5 5	2 0	4 22		5 7	2 2				
27	Sa.	6 26	3 14	8 24		6 24	3 14	5 21		6 21	3 14				
28	S	5 0	4 29	9 19		5 2	4 28	6 17		5 5	4 26				
29	Mo.	6 29	5 46	10 11		6 26	5 43	7 8		6 24	5 41				
30	Tu.	4 57	rises	11 1		5 0	rises	7 54		5 3	rises				
31	We.	6 32	5 40	11 48		6 29	5 45	8 45		6 26	5 52				



NOVEMBER

MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.				CENTRAL DIVISION.			
LAST QUARTER.....	6d.	oh.	3m.	P.M.	6d.	11h.	3m.	A.M.
NEW MOON.....	14d.	1h.	28m.	P.M.	14d.	oh.	28m.	P.M.
FIRST QUARTER.....	21d.	5h.	29m.	P.M.	21d.	4h.	29m.	P.M.
FULL MOON.....	28d.	1h.	41m.	P.M.	28d.	oh.	41m.	P.M.

1917				LATITUDE OF BOSTON AND CHICAGO.				LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.			
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide.	Morning.	Local Mean Time.		N. Y. Tide.	Morning.	Local Mean Time.		SUN R.& S.	MOON R.& S.	SUN R.& S.	MOON R.& S.
		SUN	MOON			SUN	MOON			SUN	MOON				
1	Th.	6 33	6 31	0 12		6 30	6 37	9 35		6 27	6 44				
2	Fr.	4 52	7 29	1 2		4 56	7 35	10 24		4 59	7 42				
3	Sa.	6 35	8 31	1 52		6 32	8 36	11 11		6 29	8 43				
4	S	4 50	9 33	2 41		4 54	9 37	.....		4 57	9 43				
5	Mo.	6 38	10 35	3 29		6 35	10 39	0 27		6 31	10 43				
6	Tu.	4 48	11 36	4 18		4 51	11 39	1 17		4 55	11 42				
7	We.	6 40	morn	5 10		6 37	morn	2 8		6 34	morn				
8	Th.	4 46	0 36	6 0		4 49	0 37	2 58		4 53	0 40				
9	Fr.	6 43	1 36	6 50		6 39	1 36	3 47		6 36	1 38				
10	Sa.	4 44	2 35	7 38		4 47	2 34	4 35		4 51	2 35				
11	S	6 45	3 36	8 25		6 42	3 34	5 22		6 38	3 33				
12	Mo.	4 41	4 38	9 11		4 45	4 35	6 8		4 49	4 33				
13	Tu.	6 48	5 41	9 56		6 44	5 37	6 53		6 40	5 34				
14	We.	4 40	sets	10 41		4 43	sets	7 36		4 47	sets				
15	Th.	6 51	5 6	11 25		6 46	5 12	8 20		6 42	5 18				
16	Fr.	4 38	5 59	.....		4 42	6 5	9 10		4 46	6 12				
17	Sa.	6 53	7 1	0 35		6 49	7 6	9 58		6 45	7 13				
18	S	4 36	8 9	1 25		4 40	8 14	10 45		4 45	8 20				
19	Mo.	6 55	9 21	2 15		6 51	9 25	11 36		6 47	9 30				
20	Tu.	4 35	10 34	3 5		4 39	10 36	0 3		4 43	10 40				
21	We.	6 58	11 46	3 59		6 54	11 47	0 58		6 49	11 50				
22	Th.	4 33	morn	4 56		4 38	morn	1 54		4 42	morn				
23	Fr.	7 0	0 58	5 55		6 56	0 58	2 53		6 51	0 59				
24	Sa.	4 32	2 11	6 56		4 37	2 10	3 53		4 41	2 9				
25	S	7 3	3 26	7 56		6 58	3 23	4 52		6 54	3 22				
26	Mo.	4 31	4 40	8 53		4 36	4 36	5 50		4 40	4 33				
27	Tu.	7 5	5 52	9 48		7 0	5 47	6 46		6 55	5 42				
28	We.	4 30	rises	10 42		4 35	rises	7 37		4 39	rises				
29	Th.	7 7	5 12	11 31		7 3	5 18	8 26		6 57	5 25				
30	Fr.	4 29	6 14	.....		4 34	6 19	9 17		4 39	6 26				
...				



DECEMBER

MOON'S PHASES. (In Standard Time.)	EASTERN DIVISION.			CENTRAL DIVISION.		
LAST QUARTER.....	6d.	9h. 14m.	A.M.	6d.	8h. 14m.	A.M.
NEW MOON.....	14d.	4h. 17m.	A.M.	14d.	3h. 17m.	A.M.
FIRST QUARTER.....	21d.	1h. 7m.	A.M.	21d.	oh. 7m.	A.M.
FULL MOON.....	28d.	4h. 52m.	A.M.	28d.	3h. 52m.	A.M.

1917		LATITUDE OF BOSTON AND CHICAGO.			LATITUDE OF NEW YORK AND PHILADELPHIA.				LAT. OF WASH. CIN. & ST. LOUIS.		
D. of M.	Day of W'k.	Local Mean Time.		Boston Tide. Stand. Time.	Local Mean Time.		N. Y. Tide. Stand. Time.	Morning.	Local Mean Time.		Morning.
		SUN R. & S.	MOON R. & S.		SUN R. & S.	MOON R. & S.			SUN R. & S.	MOON R. & S.	
1	SA.	r7 9	7 17	0 43	r7 4	7 22	10 4	r6 59	7 28		
2	S	s4 28	8 20	1 29	s4 34	8 24	10 45	s4 39	8 29		
3	Mo.	r7 11	9 23	2 13	r7 6	9 26	11 29	r7 1	9 30		
4	Tu.	s4 28	10 24	2 55	s4 33	10 26	.....	s4 38	10 29		
5	We.	r7 13	11 24	3 37	r7 8	11 25	0 36	r7 3	11 27		
6	Th.	s4 28	morn	4 21	s4 33	morn	1 20	s4 38	morn		
7	Fr.	r7 15	0 23	5 7	r7 10	0 23	2 6	r7 5	0 23		
8	SA.	s4 28	1 23	5 56	s4 33	1 22	2 54	s4 38	1 21		
9	S	r7 17	2 24	6 47	r7 12	2 22	3 45	r7 7	2 20		
10	Mo.	s4 28	3 27	7 40	s4 33	3 24	4 37	s4 38	3 21		
11	Tu.	r7 19	4 31	8 33	r7 14	4 27	5 30	r7 8	4 22		
12	We.	s4 28	5 35	9 25	s4 33	5 30	6 23	s4 38	5 24		
13	Th.	r7 21	6 39	10 18	r7 16	6 33	7 14	r7 10	6 27		
14	Fr.	s4 28	sets	11 9	s4 34	sets	8 3	s4 39	sets		
15	SA.	r7 22	5 57	11 58	r7 17	6 2	8 55	r7 11	6 8		
16	S	s4 29	7 9	0 23	s4 34	7 13	9 45	s4 40	7 18		
17	Mo.	r7 23	8 23	1 12	r7 18	8 26	10 31	r7 13	8 30		
18	Tu.	s4 29	9 37	2 0	s4 35	9 39	11 19	s4 40	9 41		
19	We.	r7 25	10 50	2 47	r7 20	10 51	.....	r7 14	10 52		
20	Th.	s4 30	morn	3 36	s4 36	morn	0 35	s4 41	morn		
21	Fr.	r7 26	0 3	4 30	r7 21	0 2	1 29	r7 15	0 2		
22	SA.	s4 31	1 15	5 27	s4 37	1 13	2 25	s4 42	1 12		
23	S	r7 27	2 27	6 29	r7 22	2 24	3 26	r7 16	2 21		
24	Mo.	s4 32	3 38	7 33	s4 38	3 34	4 29	s4 43	3 29		
25	Tu.	r7 28	4 47	8 34	r7 22	4 42	5 31	r7 17	4 36		
26	We.	s4 34	5 52	9 32	s4 39	5 46	6 30	s4 44	5 40		
27	Th.	r7 29	6 49	10 27	r7 23	6 43	7 23	r7 18	6 37		
28	Fr.	s4 35	rises	11 15	s4 40	rises	8 9	s4 46	rises		
29	SA.	r7 29	6 4	11 58	r7 24	6 8	8 56	r7 18	6 14		
30	S	s4 36	7 8	0 19	s4 42	7 11	9 39	s4 47	7 16		
31	Mo.	r7 30	8 10	1 1	r7 24	8 12	10 17	r7 19	8 16		

Cambridge

2 Ther

Monday, Jan. 1, 1917

Wea
Dull

Thin cloudy & almost windless with
temperature not much below freezing point.
Our city sidewalks bare & dry, streets
more or less icy or snowy, ground
surfaces elsewhere uniformly covered to
depth of at least six inches with well-
settled, hard frozen blanket of snow.

Garden birds. A Chickadee eating suet
and a White-throated Sparrow chirping
faintly, in rhododendrons close to my
study window; a Blue Jay and a
Titlark (♂) in Parkman's apple tree
together, 20+ House Sparrows feeding
on grain left by the Pigeons & bits
of bread thrown out by kitchen door.

Spent day in Museum, writing
letters. Harry, Alice & Harriet Bartlett
called in forenoon, staying about half-
an hour. Percy & Anna (Almy) Bidwell
made us a call of similar duration
in evening. L's cold still confines
her to her chamber & "Peace Room"

100+ Redpolls on banks Charles R. \ Cambridge
3 Hudsonian Tit in Waverley
Ther Tuesday, Jan. 2, 1917 Wea
Fair

Forenoon cloudy, afternoon sunny,
mild & windless. Snow melting somewhat.

Garden birds: A Chickadee paying
repeated visits to suet hanging by my
study window; a Peabody bird flitting
through Rhododendrons beneath it;
a Crow perched on branch of maple
over lawn; 20+ House Sparrows.

Spent day in Museum hoping to
finish transcript of autumnal notes but
was interrupted first by Walter Deane
who called at 9.30 A.M. & did not
depart until after 11, next by Mr. Martin
who came at 2.30 P.M. & spent half an hour
inspiring me to invest in a mining
company; then by the Thompsons. Walter
Deane who reported seeing a flock of
100+ Redpolls on river bank off front of
Sparks St. sev. days ago & 3 Hudsonian
Chickadees in Waverley yesterday; finally
by Chas. W. Townsend who came at 5 & stayed
till 6, looking at Hudsonian Tits & chatting with me.
C. did not leave till 7.30 P.M. at day.
Played Vex for hrs in upper hall this evening.

Cambridge / Comparison of N.S. specimens of
Parus hudsonicus with Nova Scotia & Labrador.
Ther Wednesday, Jan. 3, 1917 Wea
Dull.

Dark cloudy with large snow flakes
falling sparingly by 2 P.M.; rather thickly
towards evening, at first melting as fast as
they struck exposed surfaces of street or
sidewalks, finally accumulating over them
to a depth of perhaps two inches;
also draping every tree & shrub with
feathery foliage of exquisite purity but
chill suggestiveness.

In the Garden I noted no birds
whatever save perhaps a few House Sparrows.

Townsend came by appointment to
look at my Hudsonian Chickadees,
bringing eight or nine of his, including
one nigricans from Labrador & two littoralis
from Nova Scotia. Comparison of all this
material finally convinced us both that
every one of my Umbagog specimens & two
from Mr. Washington are littoralis yet of the
mass-shed birds only two in my collection &
one in H.M. Spelman's seem referable to that
form all the rest being nigricans we think.
I passed most of the evening daylight hours
at my desk writing letters, the evening ones
listening to G. reading & playing back to G.

Cambridge

Ther

Thursday, Jan. 4, 1917

Wea
Dull.

Cloudy, calm & chilly, yet mild enough to slowly melt the surface snow, converting that remaining in city streets into grimy slush unpleasant to behold.

The Garden seemed to be tenanted or visited only by a Peabody bird, a Blue Jay, very many House Sparrows (upwards of 30) and one or two Gray Squirrels.

Worked all day on the resume of autumnal field notes made at Concord which I am revising and expanding with more than usual care, perhaps unwisely but none the less inevitably because they interest me so and also because selections from them are to be read at the Nuttall Club meeting next Monday evening.

Dick Dana called at 5:45 staying half an hour or more. He is thinking rather seriously of removing to New York which I am selfish enough to hope he will not do.
Evening passed as usual; C downed again.

Cambridge

Ther

Friday, Jan. 5, 1917

Wea
Stormy

Rain fell continually and often heavily all day long, from skies so densely overcast with low-hanging clouds that there was scarce light enough to read by in doors. Being a very warm rain it melted the snow, rapidly bringing into view small patches of bare earth about our house. The sleighing is ruined, of course.

Garden birds. Two White-throated Sparrows together near Museum gate (no more than one has certainly been noted before this since December); a ♂ Flicker visiting Parham's apple; a Jay in lilacs; about 20 House Sparrows.

Worked all day without interruption on transcript of Concord field notes, now nearing completion, I am thankful to say, although the compilation of them has proved very interesting. We spent evening in lower hall, & handy ahead. I afterwards telegraphed Victoria in upper hall where it sounds well.

Cambridge - Boston

Ther
52°, 40°

Saturday, Jan. 6, 1917

Wea
Superb

A rare mid-winter day, more like one in early spring, almost windless, wholly cloudless, with air deliciously cool and bracing, yet not frosty or even chilly, but so sweet & pure that one breathes it with joy & thankfulness.

Garden birds. A Junco & a White-throat Sparrow flitting through lilacs & finally into Stripedodendron by Museum, shortly before sunset; a score or more of noisy House Sparrows; Crows cawing at sunrise & Herring Gulls flying high northward, in narrow formation, at 7.30 a.m.

To Boston at 10.30. Called at 5-3 Dev. St. & talked with Mr. Brown about my will & with Miss Berry about Kenneth fund. Reached our office at 11. Meeting of Greafell Directors there, 12.-1, attended by Dr. Blake, Prof Daly, Mr. Green, F. R. Galloupe, Miss Smith & W. B. Routine business mostly. Lunched at Martin's. Left office about 3 & walked to Sumner St. calling at Thayer & Martin's home at 3.40. Reading & music in hall at home.

Cambridge

Ther

Sunday, Jan. 7, 1917

Wea
Fine

Morning not unlike that of yesterday but cooler & indeed a bit frosty as slush & mud, stiffened over night, bore witness. Nevertheless 'twas good to be out of doors when, at 10 a.m., I walked down Brattle Street with C. She being left to call on Mrs. Sawyer I returned & kept on up the street past the old Nichols house now regrettably transformed & conspicuous in its fresh coat of sharply contrasting rich brown & pure white paint. By this time a keen wind had begun to blow and later in the day clouds gathered but not sufficiently to overcast the whole sky. After getting back from this walk I wrote letters & then went to the Deans to escort C. home. I saw there Margie - who looked pathetically worn & haggard - Walter & May Dexter. Our guests at dinner were Miss Mary Allen, Alice Allyn & Helen Almy. They stayed until past 4. I played a few records. Reading aloud this evening. Garden birds. A White-throat by the gate; a Dovey in or near birdhouse; a Gull high in air; noisy noisy House Sparrows; one Crow.

Cambridge

Ther

Monday, Jan. 8, 1917

Wea
Fair

Sunny & overcast by turns. Comparatively mild but chilly. Light westerly wind.

Garden birds: A White-throated Sparrow, a Jay & a ♂ Flicker together & within a yard of one another in birch grove, on a small patch of bare ground, searching for food among fallen leaves & tossing them about. This at 9 a.m. 10 or more House Sparrows about the place all day.

Worked on Concord field notes most of day & read extracts from Young ones this evening at Nuttall Club meeting which was attended by sixteen members including our old-time Secretary, White, and Mr. Goldman who has come on from New York & Washington to study mammals in Mus. Comp. Zool. Townsend, Murdock, both Allen & Deane, Judge J. J. Olin, A. L. Lathrop, Charles Loomis & several others were also present. My notes seemed to interest every one & were followed by some discussions after which the usual local reports were made.

Cambridge.

Ther

Tuesday, Jan. 9, 1917

Wea
Fair

Mild & damp. Not much wind. Sun shining dimly or not at all in partially overclouded sky. Rain falling gently after dark.

Garden birds: A White-throat & about a dozen House Sparrows seen, a Crow & a Downy Woodpecker heard.

The Parkman's apple tree has been almost completely stripped of its superabundant crop of fruit by Purple Flickers & Squirrels. I have not seen any of these in it for several days past. House Sparrows are beginning to attack night shade berries in vines close to my windows. The Peabody birds have been eating them sparingly for weeks.

Still working on Concord notes & correspondence. Interrupted at 2.45 P.M. by Martin & his employer Mackeffer who importuned me to invest in their mine enterprise which I declined to do. They stayed an hour. Smith Deane called later. Gilbert motored C. to Waterville & back. E. read aloud in hall after supper.

Cambridge.

Ther Wednesday, Jan. 10, 1917 Wea
Fair

Early morn sunny; cloudy after 10 a.m.
with chill, damp wind blowing over
melting snow & ice.

Garden birds. Purple Finches back again
- 7 of them, all gray ones, feeding in or beneath
Parkman's apple tree 8-9.30 a.m.

Golden Kinglet in willow by Museum
gate. A Peabody bird singing faintly
in lilacs. About a dozen House Sparrows.

Gray Squirrels must be hibernating now.
I have not set eyes on one for
several days.

Worked in Museum all day writing
letters in forenoon; Concord notes
after luncheon. Gilbert motored C.
around Fresh Pond & through Belmont
(12-1.15). She found it chilly riding
& thinks the car had best be stored
at Concord for remainder of winter.

Harry Bartlett called this evening
to discuss Kenneth Field. He will now
write to Ken. asking for a statement as
to how allowances have been spent & will
await answer before sending more money.

Cambridge.

Ther Thursday, Jan. 11, 1917 Wea
Stormy

Snow falling thick & fast all the forenoon.
When it ceased abruptly at 1 P.M. it had
covered the ground very evenly to a depth
of four or five inches but the trees &
shrubbery were not much encumbered by it.
There was a bitter chill in the air all day
& towards ^{night} intense cold no doubt resulting from
a considerable fall of temperature although
that statement is made without having looked
at an outside thermometer.

Garden birds. A Chickadee in willows
by Museum gate; a Peabody bird &
Blue Jay in lilacs; half a dozen or
more House Sparrows.

Spent entire day at my desk in
Museum, working at autumnal
field notes made at Concord.

Although the task of completing
them seems endless and altogether
not worth the time it is taking I
cannot bring myself to leave it unfinished.
E. read to C. & me by half past three when
I played Victrola afterwards.

Cambridge

Ther
0°, 10°

Friday, Jan. 12, 1917

Wea
Clear

Brilliantly clear & intensely cold
with strong northerly wind.

Yesterday's snow-fall less than I
thought & probably not more than
three inches on a level.

Garden birds. 2 gray Purple Finches
eating Parkman apples; a Peabody bird in
vines by Museum front door & half a dozen
House Sparrows feeding with it later on grain
left by the Pigeons; a ♀ Downy lingering
half an hour or more in cherry tree close
to Museum; a Jay screaming loudly.

Two Gray Squirrels running through
tree tops in jungle, perhaps to discredit
my recent claim I claimed that they
had ceased to do so now.

Working all day at compilation
of notes. It must certainly be
near completion now & in any
case cannot continue much longer.
C. went in town to St. Paul's this
forenoon & with E. to Thine Bee this
evening so I am spending it alone.

Cambridge

Ther
10°, 20°

Saturday, Jan. 13, 1917

Wea
Stormy

A gloomily cloudy day with slowly
rising temperature and snow fall of
about 2 inches in afternoon & evening.

This, added to what came on the 11th,
should make good sleighing for the few
horse owners who continue to enjoy it.

Garden birds. Only a Chickadee
and 15+ House Sparrows seen;
Crows heard cawing in early
morning.

Had to devote entire forenoon
to writing letters & cheques
in payment of monthly bills.
Resumed work on compilation
of Concord notes in afternoon
& tried to finish the task
but failed to do so although
writing more freely than
usual.

E. came down to luncheon
but not to dinner, after which
E. read aloud to me & the two
dogs in front hall.

Cambridge

Ther Sunday, Jan. 14, 1917 Wea
Mixed

Sometime last night the light snow fall of yesterday afternoon turned into, or was followed by, a rain storm which, accompanied by rising temperature & strong wind, raged with exceeding violence through most of the forenoon, flooding every depression from which the downpour of water could not quickly escape and sweeping away very nearly all the snow & ice accumulated during the past few weeks.

When, in late afternoon, the sun appeared it shone on city lawns no longer robed in wintry white but instead so uniformly bare and so vividly green that they looked much as they had in mid autumn - a truly wondrous transformation because so soon accomplished.

Garden birds. Only a White Throat chirping in night shade vines by my window and half a dozen House Sparrows eating Pigeon grain.

Writing letters in A.M. & Late P.M.
E. read aloud after supper. Dinner guests: -
Harry & May Cunningham, Mary Allen & Mabel Thayer. They partook of a farm Turkey & departed at 4 P.M.

Cambridge

Ther Monday, Jan. 15, 1917 Wea
Death of Goose & Guinea hen at Concord Mixed

Cloudy, windless & frostily cool with occasional brief periods of sunshine in late P.M.

Garden birds. A Gray Purple Finch 2 Blue Jays & a Chattering Thrush of House Sparrows in trees or shrubbery in front of Museum. Percy reports seeing 2 Juncos somewhere among the flower beds.

Wrote letters in forenoon, Concord bird notes after luncheon. Council & General Meeting of Nittall Club this evening. 16 members present. Bert read his life histories of Loon & Black-back Gull, both very full & interesting.

I told story of romantic mutual attachment of Goose & Guinea hen, & of its fitting if not happy ending last winter when the Guinea hen died on Monday much emaciated & the Goose a few days later in good physical condition & I believe of a "broken heart". This information

is altogether correct. I have requested Burbank to write me fully about it & each of us help through Gilbert & may not be altogether correct.

Cambridge

Ther Tuesday, Jan. 16, 1917 Wea
Fine

Brilliantly clear & seasonably cool
with moderate westerly wind. Surface
of ground hard frozen again & for
most part free from snow.

Our bulbous house plants coming
on about as usual. Paper whites &
Roman hyacinths already past, yellow
juncos just beginning to bloom.

Garden birds. A White-throat near
Museum; a Flicker in jungle; a
Crow on lawn; a dozen or more
House Sparrows.

Impressed by desirability of writing
out romantic history of ~~the~~ ^{the} ~~Goose~~ &
Guinea-hen that died last week at
Concord I began on it this forenoon
& worked on it during evening
daylight hours.

We had Miss Horwood & Mrs. Chesley
as guests at luncheon, Mr. Haywood
at dinner. He stayed until 10 P.M.
D. read Barbara's amusing testimony about

Cambridge

3 Ther Wednesday, Jan. 17, 1917 Wea
Fine

Clear & cold with blustering N.W.
wind.

Garden birds. All that I noted
were no more than a White-
throated Sparrow behind the
Museum & a few House Sparrows
in front of it.

Several letters requiring
immediate answer came by
last night or this morning's
mail and demanded most
of my attention through the
forenoon; but I resumed
work on the Goose & Guinea-hen
story before luncheon & kept
at it all the afternoon,
making fair progress - for me.

A cable from "Jefferson, London"
informed us that Kenneth has
passed his examination for Sandhurst
& must have "money" from the Fund
which could not be sent to-day
because Harry B. is in New York.
We all spent evening in hall with reading & music.

Cambridge

Ther Thursday, Jan. 18, 1917 Wea
7:15 fine

Partly cloudy, mostly sunny. Less cold than yesterday but equally windy.

Garden birds. Crows heard cawing at sunrise, a few House Sparrows seen. Literally nothing else.

I had hoped to complete the story of the Goose & the Guinea hen to-day but was prevented from doing so by re-reading what has already been written. This seemed too involved to be of any use so I rewrote parts of it & some several times thereby talking up practically all the available hours which was no less mortifying than disappointing. Perhaps I am hypercritical but assuredly not otherwise than by striving to do my very best can I hope to do justice to the romantic history of these birds. The Goose, by the way, was brought here by Gilbert when he returned from Concord in late P.M. after taking Ford car to the Farm. I have not as yet looked at the poor bird.

Cambridge

Ther Friday, Jan. 19, 1917 Wea
12° min fine

Clear & cold with blustering north-west wind.

Bird life in the Garden continues at very low ebb. I saw there to-day nothing but two White-throated Sparrows, hopping about our bare ground beneath the lilacs, and no more than 4 or 5 House Sparrows. What has become of all the rest - Kinglets, Chickadees, Purple Finches, Jays, Woodpeckers etc? It would be interesting to know where they are just now. It is difficult to believe that there can be anywhere, at least in Cambridge, grounds better suited to their taste than ours.

Townsend called this morning to measure my Hudsonian Lts. After he had gone I set to work on Goose & Guinea-hen story wrestling with it till midnight but making little progress. One evening spent as usual.

Cambridge

Ther : Saturday, Jan. 20, 1917 Wea
16° min. Dull

Cloudy & cold. Every now & then fine snow flakes fell thick & fast but not enough of them all told to much more than whiten the ground. Percy returning from Concord at ev. reports no more snow there than here.

Garden birds. Somewhat better represented than for past few days. 2 Chickadees & 3 Crows flitting through jungle. A White-throat Sparrow with about a dozen House Sparrows feeding on grain thrown out for the Pigeons

Working all day long on Goose & Guinea. hen story. Advanced it somewhat and considerably improved much of the matter already written. Without doubt I could make it reasonably satisfactory were time no object but the Hubbard tale must be resumed soon.

Harry Bartlett called at 8.15 P.M. & departed at 9.45. We talked about Kenneth & his & various other matters.

Cambridge, Boston

Ther : Sunday, Jan. 21, 1917 Wea
Dull

Partly sunny; mostly cloudy; very chilly; snow flakes falling fitfully through almost windless air.

Garden birds. Renewed scarcity. Saw only a Jay and about 15 House Sparrows. no glympse at a Gray Squirrel for several days.

Devoted forenoon to writing letters. Motored to Boston with G. (in C. R. Garap. limousine) at 12.30. We dined at the Cummings with May & Harry. Left them at 3.15 & called on the Rogers. Home by limousine along river highway. At my desk 4.30 to 6.30. Dick Dana called at 5 bringing his dog "Tipperary" & staying half an hour.

Evening spent in hall, E. reading Charlotte Brontë's "Villette", a fine story. I played bridge later.

Cambridge

Ther Monday, Jan. 22, 1917 Wea
Northern Shrike in Garden Dull

Cloudy, calm, mild (but chilly). 2" of snow fell last night.

Garden birds. A Purple Finch (gray), White thr.

Sparrow (ad), 25+ H. Sparrows, Cross hd. 2 Jays

While writing at desk heard Shrike singing.

Went out twice & looked for him in vain. Finally

espied him thru window, perched well up in

Sassafras but not at top. He remained in Garden or

Juniper fr. 12.30 to almost sunset singing freely &

often. Although ~~quite~~ extremely mature & handsome

bird, with clear blue gray back, almost pure white

under parts, jet black wings tail & head stripes,

showing no trace of brownish suffusion, he had the

most unmelodious singer of his kind I ever

listened to uttering only harsh, guttural or

creaking notes in normal, leisurely or rather broken

sequences. While in Sassafras he espied the

Purple Finch in P. apple tree almost beneath &

within 30 feet of his perch. Crouching flat on the

well lowered head like a cat about to spring. After

watching the other bird with eager interest, for

perhaps 2 minutes he stooped swiftly down,

however just above tree an instant, then flew

away. Purple Finch must have escaped unseen

Shortly after this he dashed headlong into a

dense thicket much frequented by our Parula birds

but got nothing there nor did I see anything.

Walter Dean had a good view of him later

hunted on Gars & Guinea here, along

all day & accompanying it throughout

Cambridge

Ther Tuesday, Jan. 23, 1917 Wea
Fine

Cloudless; almost windless; frosty, yet not more than seasonably, cold. Excellent sleighing again, improved by the few who still drive horses through Cambridge streets. Some of these I could not help enjoying to day, especially one with a high-spirited, fast-stepping trotter such as Father used to enjoy.

Garden birds. So nearly absent altogether that a few House Sparrows were all I saw or heard.

Harold L. Madison, Curator of Park Museum, Providence, called by appointment at 9.30 A.M. to see my collection & more especially to study the way in which it is stored & arranged. He stayed to luncheon at 1 & departed at 2.15 to visit the Gray Herbarium. We all liked him - a pleasantly intelligent, sincere & earnest minded young man deeply interested in his work. I added a page to Gars & Guinea here, along stay this afternoon.

Cambridge

Ther Wednesday, Jan. 24, 1917 Wea
"We Dine" Fair

Sun shining rather dimly through thin clouds and perhaps also haze. Air calm & frosty yet not very cold.

Garden birds. A Purple Finch (gray) and Flicker in Parkman apple tree; a Jay in lilacs; 15+ House Sparrows. I have not seen either of our Peabody birds since the Shrike was here two days ago. Perhaps he got one or both of them but this seems improbable.

Worked most of day on Goose & Guinea-hen story. To put it aside before completion seems quite impossible: yet should not be.

Now than one man I know could write it equally well & probably better, in a few hours - which is not encouraging to think of.

"We Dine" at Walter Deane's this eve. Everyone but Barbara there.

Usual delightful time.

Cambridge

Ther Thursday, Jan. 25, 1917 Wea
Fair

Pale sunlight more & more obscured by gathering clouds combined with moderate temperature & windless air to make the day seem colorless albeit not uncomfortable.

Garden birds. 2 Jays & about a dozen House Sparrows - nothing more.

Still the Goose & Guinea-hen story drags wearily along. I added two pages to it to-day & seem to have almost reached the end but such was also my impression a week or more ago.

At luncheon we had Sally Dearborn & Miss Willard, both very interesting & agreeable.

Evening spent in front hall & reading aloud from Charlotte Brontë's "Villette" which impresses me as a rarely good novel although not so altogether admirable as her "Jane Eyre".

Cambridge

Ther

Friday, Jan. 26; 1917

Wea
Dull

The sun shone feebly up to 9 a.m. after which the sky was overcast by gloomy clouds. Air intensely chilly but not much disturbed by wind which, however, blew violently sometimes before day break.

Garden birds. One of the White-throated Sparrows back again feeding on bread-crumbs at back of house with about a dozen "English" Sparrows. Two jays in lilacs. I noticed nothing else.

Worked all day on Goose & Grouse her story but failed to finish it & indeed composed no more than a half page of fresh matter. Perhaps I am trying to write better than I can" as Chapman once suggested might be my trouble but is not it ever so with me? At least the joy of it remains, however poor the product.

Reading aloud by E. to G. & me this evening. We no longer have *Viola* much of late.

Cambridge

Ther

8° 20°

Saturday, Jan. 27, 1917

Wea
Fair..

Partly sunny; largely cloudy; flurries of snow flakes now & then. Day cold but without much wind. Ground everywhere covered uniformly with perhaps 4 or 5 inches of hard-frozen snow.

Garden birds. A White-throated Sparrow with 10 or 12 House Sparrows in the kitchen yard were all I saw.

An unproductive day for which a vile, oncoming cold perhaps affords some excuse. Despite it, but not without approval of Dr. Jonell who called about noon, I worked in Museum as usual, sorting letters & cheques in forenoon, revising Goose & Grouse her story after luncheon.

Usual reading of "Villette" this evening.

One winter bulb coming on tardily. Jonquils at their best & fairly good. Not many tulips as yet & these very unsatisfactory.

Cambridge.

Ther

Sunday, Jan. 28, 1917

Wea
Dull.

Cloudy with not infrequent snow flakes falling gently through chill, windless air.

Garden birds; the same as were present yesterday is only a White-throated Sparrow feeding with about 10 House Sparrows in the clothes yard.

I remained in doors all day because of my cold which, however, seems to be moderating, although troublesome last night & then accompanied by feverish conditions. Such afflictions have been common & widespread for two months past, it is said, not only in this region but elsewhere.

Our guests at dinner were Mrs. Melvin, Alice Stone & Alice Allgren. Most of them stayed on until 4 P. M., talking in the hall. I played a Krieger record, brought as a gift by Mrs. M., but nothing else was called for. Everyone seems to have tired of victrola music in this household at last.

Cambridge

Ther

Monday, Jan. 29, 1917

Wea
Dull

Cloudy, calm, mild but chilly. Snow began falling steadily just before night closed in. It is coming still, at 9 P. M.

Garden birds. 2 juncos in the very topmost branches of one of the tallest trees in jungle where they remained for only a few minutes before flying afar off eastward. About a dozen House Sparrows. 2 jays.

Writing letters almost all day long. They, at least, can be dealt with as expeditiously as ever which is consoling after so much fruitless struggling with the other task.

Smith Deftter called at 4.30 staying about half an hour. He reports seeing two flocks of Horned Larks (6) & (12) on wing near Concord Village & a Sparrow Hawk not far from the hospital. This occurred yesterday.

We sat in front here this evening, E. reading Villella to C. & me.

Cambridge

Ther Tuesday, Jan. 30, 1917 Wea
Fine

Brilliantly clear with light westerly wind and the warmest air we have had for many a day, melting both snow & ice & spoiling the hitherto excellent sleighing but not as yet exposing much wholly bare ground.

Garden birds: A White-throated Sparrow & 15 or 20 House Sparrows. I had thought that the mild & serene weather might bring more than these but no others could be seen or heard.

A letter begun yesterday was not finished until after sunset to-day & will not be mailed before to-morrow morning. Addressed the Cambridge Assessors it relates to my Museum. This, as I have explained, has always been made to serve largely, if indirectly, for educational purposes & the advancement of scientific knowledge - thus far exempting taxation presumably for that reason. Under a recent law it may be subject to such a burden. I have asked the Assessors to rule upon this & let me know.

Cambridge

Ther Wednesday Jan. 31, 1917 Wea
Dull

Gloomily cloudy & disagreeably chilly yet neither cold nor windy, has been this mid-winter day. An inch or two of damp snow, falling after dark, has replaced most of that melted yesterday.

Garden birds continue scarce or altogether wanting. A Chickadee at shut by my window, a White-throat in vines near it and a few House Sparrows about the clothes yard, were all I noticed.

Devoted entire day to writing letters yet many remain unanswered. They have flowed in on me more discouragingly of late.

The February bird records are very disappointing. I sent back to-day all but one, of seven or eight sent out in Steamer on Monday. Those rejected include a Gluck, a Gluck-Reimer, a Cuck & a Gogorza, all still undescribed. A Poble-Calks one from Columbia & another

Cambridge

Ther . Thursday, Feb. 1, 1917 Wea
Unstructured U. Boat was begun Stormy

Dark, cloudy & densely foggy with light rain, from daybreak to mid-forenoon; after that the rain ceased & a cold wind arose, quickly turning the wet sidewalks into ice-coated ones dangerous to travel. Still colder and yet cloudy to night.

Garden birds. Handsome, adult White-throated Sparrow feeding with a mob of House Sparrows on grain thrown out for the Pigeons & half embedded in icy slush. A Jay heard screaming.

Miller writing continued to claim most of my time but a good deal of this was devoted to-day to reading newspapers filled with disturbing & very ominous reports concerning Germany's proposed sub marines was on all corners, beginning to-day.

We spent evening in hall. E. finished "Villette" a truly fine story.

Cambridge.

Ther Friday, Feb. 2, 1917 Wea
 10° Fine

Clear & cold with fresh N. W. wind. Everything frozen hard again & all snow surfaces covered with a thin icy crust glittering like polished metal in the sunlight. Sidewalks very slippery.

Garden birds. A White-throat feeding on millet seed with a dozen or more House Sparrows. A Crow heard cawing afar off.

Wrote letters in forenoon & recopied part of Goose & Guinea hen story in afternoon. Cope of Philadelphia, cousin of late Prof. Cope but a much younger man (certainly not above 35 years of age) called on me at 4.30 staying until past 6.

I showed him the museum & some birds & eggs in which he seemed to take much interest. He impressed me very favorably.

E. read aloud to us this evening beginning Charlotte Bronte's "Shirley".

Cambridge

Ther Saturday, Feb. 3, 1917 Wea
0°, 8° Rupture with Germany. Fine

Clear & cold, strong northerly wind.
Altogether the bitterest winter day
thus far.

Garden birds so few in number &
variety that all I noted were a
White-throated Sparrow & half a dozen
House Sparrows seen & a Jay heard
screaming.

It has come at last, the long
anticipated, prudently delayed, rupture
of diplomatic relations with Germany.
Her Ambassador, von Bernstorff, was
handed his passports to-day & our
President explained why in an address
to the House of R. at 2 P.M. News of
this did not reach us until the
transcript came this evening but the
morning papers foretold it.
I spent part of the forenoon reading
them & afterwards walked on Goose &
Guinn-hen story. Reading aloud of the
transcript by E. occupied most of our
evening.

Cambridge

Ther Sunday, Feb. 4, 1917 Wea
Fine

Brilliantly clear with crisp, dry air,
gradually rising temperature, moderate
northerly wind—just such a day, in
fact, as so often ends a "cold snap".
To be followed by comparatively mild
weather and commonly by snow or rain,
also.

Garden birds. A Downy Woodpecker (♂)
in birch grove, a Crow heard cawing
and a Jay screaming. Perhaps a few
House Sparrows but I do not remember
seeing any.

Walked down Brattle St. with C. just
after breakfast leaving her at Mrs. Sawyers.
Stopped for a few minutes to see Loring Follen
on way back. Next absorbed for an hour or
more in Sunday papers. Then wrote a long
letter to Ruthven Deane. Barely finished it
in for dinner. Our guests Alice Abjor,
Mrs. Mr. Daniel & Miss Wood. A distich concerning
promised them but I could not give it because
of acute neuralgia which forced me to spend
afternoon in darkened chamber thereby missing
seeing Mr. Brewster & Dick Dana whom C.
entertained. Went downy rambling by E. R. S.

Cambridge

Ther Monday, Feb. 5, 1917 Wea
Thunder & snow together. Stormy

More snow - at least 6 inches - part of which came last night but most this forenoon. When it was falling thickly, about 10.30 A.M., the hitherto weak daylight turned suddenly to dusky twilight within the room while everything outside was so obscured by smoky, saffron-tinted haze & whirling snow flakes that I could scarce make out trees & buildings only a few rods distant. Then in quick succession came two lightning flashes & thunder claps from what must have been an exceptionally dense & low-hanging mass of cloud. This soon passed & presently the sun came out to shimmer for a moment or two on a perfect smother of spotless, fresh-fallen snow.

Garden birds. Only a Jay flitting through snow-embowered lilacs & a Crow cawing somewhere further away.

Worked through day on Goose & Geese from story finishing it I am most glad to say. Another severe attack of neuralgia in P.M. It kept me from a Nuttall Club meeting addressed by Frost this evening.

Cambridge

Ther Tuesday, Feb. 6, 1917 Wea
2.5° may 7 in

Brilliantly clear & almost windless. A frost but without chill. Altogether a glorious mid-winter day of the best type. Good sleighing again. Beautiful snow foliage still covering very many trees - evergreens especially.

Garden birds. A ♂ Junco & a solitary Tree Sparrow eating millet seed close under Museum windows in company with 20+ house Sparrows. Heard a Crow cawing a Jay screaming.

The Tree Sparrow, an especially trim & neat-looking one with clear, bright red cap, is new to my winter list. Where can he have come from? Lowell Thompson & his boy friend Walcott, who called this afternoon, have seen no birds of that species nearer here than Fresh Pond Swamps. They report 3 Hudsonian Tits in Waverley on Feb. 1 & one in Joran Orchard to-day, "Redpolls everywhere".

Spent entire day writing letters & cheques for bills. Miss Allen at luncheon. We had Victrola music after it, E. R. S. conferred in her room by a cold. I read a G. this evening.

Evening Grosbeaks: a flock of 50 near Mrs Cook's house at
 Ther Wednesday, Feb. 7, 1917 Wea
 Lexington about a week ago Fair:
 Miss Maynard Buller's Call.

Light cloudy, calm, mild.
 Garden birds, a White-throated Sparrow &
 about 15 House Sparrows eating millet; 3
 Jays together & afterwards 2 more (?);
 a Crow & a Downy W. heard.

The Peabody bird was either a new comer
 or else one wintering bird recently stained with
 something, perhaps coal dust. For his entire throat
 & chest were so dark-colored as to appear
 almost black. The head stripes, also, were
 much obscured the plumage elsewhere perhaps
 duller than usual yet seen more so than in
 immature specimens.

An interrupted day productive of little
 save a few letters & three pages of notes
 relating to the Shrike seen on Jan. 22.

Mrs. Sawyer, Mary Greenough and
 Alice Stone our guests at luncheon. Not
 long after to Miss Maynard Buller
 called by appointment to seek my advice
 about field study of birds in which she
 professes some interest. I talked with her
 about an hour chiefly about Germany
 where she has lived for years. She knows
 the Kaiser personally & has given me an
 extraordinary account of him. Miss Math Cook

with whom I talked by telephone this evening, considers a jay at Lexington at Lexington.

Cambridge.
 Ther Thursday, Feb. 8, 1917 Wea
 Umbagog Lake resumed. Fair

Partly sunny, mostly cloudy. Mild. Only
 a little wind. Good sleighing still. No bare
 ground showing anywhere.

Garden birds. Only a few about. Saw
 a Jay & ten or a dozen House Sparrows,
 heard a Crow cawing and a White-throat
 Sparrow chirping.

Gray Squirrels out again in full force
 for the first week or more. Saw two
 males engaged in pursuit of a female
 several days ago. With evident amorous
 desire they followed her hither & thither
 all over the place, keeping mostly in trees.
 She often permitted them to overtake her
 but then repelled all their attempts to
 mate with her by merely coquettish behavior.
 They seemed to take this loginess as a matter
 of course & showed no more than friendly
 rivalry towards each other.

Resumed work on "Umbagog" this
 forenoon & wrote almost three pages about
 the Babbling before sundown. It is good
 to be back at this long neglected task
 again.
 Mrs. Cobb & Loring Jr. at luncheon. E. R. S.
 down stairs again.

Cambridge

Ther 32°, 36° Friday, Feb. 9, 1917 Wea Stormy

Dark cloudy, damp & chilly with rather scattered snow flakes falling ceaselessly & melting as fast as they struck so that little was added to snow already on the ground save a thin coating of slush.

Garden birds. A White-throat & 6 or 8 House Sparrows in clothes yard feeding on bread fragments put out for them there. Crows cawing not far off.

This is the 39th anniversary of C's & my wedding day. We passed it much as other days are passed although there were one or two presents and also flowers of several kinds - roses, daffodils & carnations. E. had a rather severe head-ache. I read aloud to her after breakfast & luncheon. The weather reminded us both of that on Feb. 9, 1878 although then there was much heavier snow fall.

My work in Museum was devoted to finishing the Babolnik story which had to be mostly rewritten. C. read to me in front hall this evening.

Cambridge

Ther 2°, 8° Saturday, Feb. 10, 1917 Wea Fine

Brilliantly clear & bitterly cold with high N. W. wind. Perfect sleighing.

Garden birds. A jay in the lilacs, Crows cawing somewhere near, 20 House Sparrows in clothes yard. The list includes no more.

Further revision of the brief Babolnik story occupied most of my day.

Why cannot I get such a trifler down right after copying it three or four times. Even then it rarely pleases, me - or perhaps I should say satisfies. for there is ever much pleasure in all such composition.

Dick Dana called in late P. M. staying about an hour. We talked mostly about Dan, whom he saw last week in N. Y.; about Miss Butler, whom he knows & considers accurate as to knowledge & statements about German submarines, most of which he thinks the British will destroy before they can do much further damage. Evening spent in hall, E. reading aloud from "Sturley".

Cambridge

Ther
8°

Sunday, Feb. 11, 1917

Wea
Fine

Clear & very cold but not windy and hence a fairly comfortable day out of doors.

Garden birds, very few. Heard a Crow cawing & a Jay uttering its bell note but not unheard this winter. Saw only House Sparrows perhaps 10 or 12 in number.

Wrote letters in forenoon. C. went in town to St. Paul's Cathedral where Dean Roumanian preached an inspiring sermon relating to preparedness etc.

A large flag was borne in & "American" sung.

We had Frank Manning & Allen Allyn for our guests at dinner. After it we sat with them in the hall for about an hour. Sally Fairchild joined us then & did not refuse a cigarette. Frank & I smoked cigars instead.

E. read aloud from "Stirley" to C. & me this evening. Both dogs with us, of course.

Cambridge

Ther
-4° + 8°

Monday, Feb. 12, 1917

Wea
Fine

Coldest day of winter thus far, but not a very windy or at all cloudy one.

The peculiar, whining, grinding sound of iron - tread wheels on hard frozen snow coming from direction of Brattle Street at frequent intervals. Why do we no longer hear the pistol-like reports attributed to the snapping off of contracting nails which always occurred more or less often during cold snaps like this at every wooden house in our neighborhood forty or fifty years ago. Such sounds are unknown here now.

Garden bird life at lowest ebb.

5 or 6 shivering & dejected House Sparrows were the only feathered beings seen or heard about the place all day.

Wrote letters in forenoon. Worked on "Uneasy" in afternoon, making fair progress. Miss Babette at luncheon. E. reading to C. & me from "Stirley", this evening.

Cambridge

Ther - 5° + 20 Tuesday, Feb. 13, 1917 Wea Fine

Coldest morning yet. Temperature rising through day. Clouds gathering at sunset. Comparatively little wind. Air crisp and dry.

Garden birds. A Downy heard calling; 2 Blue jays uttering bell notes. At least 30 House Sparrows scattered about in tops of lilacs making a hoarse din of chirping & chattering, as they are accustomed to do in early spring, but have not done here before this winter, at least to my knowledge.

Worked through day on Red-wing Blackbird article for Unabridged book. Got my poor brains badly tangled up with it yet made some slight progress, nevertheless.

Miss Holman & Miss Hartman called just after luncheon. C & I spent eve. in hall with E. R. S. who read numerous war news to us. After that the Vestrolan

Cambridge - Boston.

Ther Wednesday, Feb. 14, 1917 Wea Fair

Mostly sunny, rather hazy, comparatively mild yet well below freezing & very chilly; not much wind. Fine sleighing & icy sidewalks throughout Cambridge but Boston streets & sidewalks almost wholly free from snow & ice. Back Bay encased in ice save where tugs had made lanes of open water in which were a few flocks of Golden-eyes & very many Gulls.

Garden birds. A White-throat Sparrow & about 20 House Sparrows together in lilacs.

Spent day in Boston. At our office from 10 a.m. to 4 p.m. Worked on income tax returns with Galloway in forenoon.

Finished, signed & brown to the Mass. State on. Federal one not completed.

Lunched at Marston's. Annual Meeting Greenleaf Ass. Directors, 2.30-4. I presided. All officers & directors re-elected. Much routine business settled smoothly.

After that called at Mr. Bonaville's office. Talked with him & Mr. Brown about tax returns etc. Then back, home called home by 6.30. Evening reading in hall.

Cambridge

Ther Thursday, Feb. 15, 1917 Wea
20°, 26° Fair

Winty weather still, sunny but hazy;
not much wind. No melting snow
since Friday last.

Garden birds. One wintering White-throat
flitting through the lilacs when he sang
a little but so faintly that I could
scarcely hear him twenty yards away.
Noticed no other birds save House Sparrows,
about twelve in number.

A sadly unprofitable day at the writing.
Although I devoted my entire time to
it nothing was produced except a lot
of tentative stunts every one of which
failed to express what I was trying
to say, although this should be not in
the least difficult to state, just wherein
the trouble lies is a mystery. My brain
seems to work as well as ever except
for literary composition.

Dick Dana called about sunset
staying upwards of an hour. He is mending
the loss of his dog "Tippurary" - found dead
frozen stiff out doors, yesterday morning.

Cambridge

Ther Friday, Feb. 16, 1917 Wea
Fair

Continued moderate cold, haze - veiled
sunshine, general absence of strong wind.
These conditions combined to make
the day comfortable if not altogether
pleasing in certain other respects.

Garden birds. Only one White-throat
and a dozen or more House Sparrows.
I had hoped that the comparatively
mild weather might bring something
else. It was, perhaps, the underlying
cause of exceptional activity on the
part of more Gray Squirrels than I
have seen here before since last
summer. There was less than six of
them together in one tree (a Sassafras)
having a mad game of romps presumably
inspired by sexual passion yet in no
wise obviously suggestive of it. This
happened about 8 a.m.

Another day virtually wasted at
the writing. I received, for at least a
lengthy time, 2 pp. of M.S. relating to
Agelatus, perhaps thereby improving them.
I want to see this soon. I read some news

Cambridge.

Ther Saturday, Feb. 17, 1917 Wea
Fair

Sunny but hazy; calm; comparatively mild, snow melting enough to make city streets slushy in places. No bare ground to be seen anywhere as yet.

Garden birds: represented by about a dozen House Sparrows & Naught else.

Working most of day on Red-wing story without much advancing it. Interrupted soon after luncheon by Mr. C. W. Haley who remained with me until sunset, talking over matters at Wolfboro. His report of general conditions at our school is very satisfactory. Everything there seems to be working smoothly & well.

We spent evening in hall, & reading "Shirley" to C. & me. 4 loads - boxes of oak brought from Concord & left by John Lawrence.

Cambridge

5 Ther Sunday, Feb. 18, 1917 Wea
Fine

Bright sunshine, tender blue sky, mild temperature & absence of much wind combined to make the day seem almost spring-like especially as the snow melted fast. Children were sailing chip boats down the gutter in front of our house this noon, according to Alice Allyn, who saw them. She & I both remember doing the same thing in the same place when we were children.

Garden birds, a White-throat singing in a robin's nest & there, about a dozen House Sparrows. Nothing more.

Writing letters most of day. Miss Allyn our only guest at dinner. She did not remain long after it, having other friends to visit. G. went alone to church at St. James. She had a headache this evening. I spent it with the Always - Mrs., Mrs. & Mary. Got back about 10.20.

Cambridge

Ther Monday, Feb. 19, 1917 Wea
20° Fair

Sunny & colder. Clouds gathering at sunset & fine, dry snow falling thick & fast by 10 P.M.

Garden Birds. White-throat singing feebly at frequent intervals, a Jay screaming, several Redpolls; about 12 House Sparrows & a ♂ Downy Woodpecker.

The Redpolls were feeding in a larch at edge of jungle, for half an hour or more, in company with House Sparrows. I plainly saw one handsome, Rosy-breasted ♂. The others, three or four in number, were all plain-colored birds. It was difficult to make out just how many there were because the House Sparrows intermingled with them & kept chasing them about. I viewed them, moreover, only at a distance & through my study.

Worked on Umbagog M.S. all forenoon. Judge Abbott called at 1.30 staying until 5. We had a pleasant but unimportant chat. Met at Club this eve. Noble on his recent Pennine Trip, with lantern slides. Very interesting but not much about birds.

Cambridge - Boston

Ther Tuesday, Feb. 20, 1917 Wea
Fair
Tax returns completed.

Partly sunny, mostly cloudy. Calm & mild. An inch or two of snow that fell last night melted almost everywhere to-day, covering city streets and sidewalks with muddy slush.

Garden birds. The White-throat singing as before; a swarm of House Sparrows making deafening din among the old lilacs; a Jay "belling"; a Gull flying high.

Worked on Red-wing story until noon & then went to Boston. At office 12.30-3.30 Signed & sworn to both Federal & State Income Tax returns for our Estate; as my first annual Federal Tax Statement. This year I must pay about \$60. whereas nothing was paid last year. The difference is due to increased income from real estate which has had little expense for repairs.

Dictated letter to Schubert informing him he could not leave Acad. Guild days for Occasional School. Left office at 3.30. Bought a lot of shirts etc. at Little Store on Devonshire St. Home by 5-P.M. very tired.

Cambridge

Ther Wednesday, Feb. 21, 1917 Wea
Fair

Bright sunshiny absence of strong wind, ~~and~~ wind with moderate temperature to make this day a rather pleasing one for those who had occasion to spend it in the open air — which I had not, unfortunately, being otherwise engaged.

Garden birds. The white-throat singing as usual; a screaming jay & a cawing crow. Nothing else save the customary mob of House Sparrows, making their accustomed friendly din.

Although devoting myself to the Red-wing story from 10 a.m. to 6 p.m. I failed to write anything whatever that can be used for it. A few lines which may thus serve were composed hastily, however, after supper. E. read Shirley to me in the hall before that happened. C. did not join us this evening being too tired by a trip to Roxbury

Cambridge

Ther Thursday, Feb. 22, 1917 Wea
Dull

Cloudy with occasional gleams of sunshin and scattered snow flakes falling listlessly every now and then. The raw air almost windless.

Garden birds. Only House Sparrows and not many of these.

With the Red-wing story some apparently satisfactory progress was made to-day by taking passages here and there from what has been written heretofore and putting them together in new order. I only hope this piece of patchwork will not have to be tinkered much more. It has cost me more than a week of unceasing work to produce what will no more than cover a single printed page! At this rate how long is it likely to take to complete my Montague undertaking?

Our evening spent by a bright fire in front hall, E. reading aloud from Shirley to C. "Jimmy" & me.

Cambridge.

Ther
20°

Friday, Feb. 23, 1917.

Wea
Fair

Thin cloudy with chill northerly wind.
Hard-frozen snow, glazed over with a
thin coating of ice, still covers all land
surfaces in sight from our house, to a
depth of about 5 inches.

Garden birds. A screaming Jay &
a cawing Crow the only winter ones.
House Sparrows to the number of not
less than fifty, making a prodigious
racket in the lilacs. I shot one of
them ~~in the lilacs~~, for fish food,
whereupon the others became silent
& began stealing away but presently
were all back again & as noisy as ever.
It must be admitted that they are
admirably intelligent & canny birds,
however despicable in other respects.

Working all day on Red-wing
story, not even yet completed.
G. at St. Pauls Cathedral.
Usual evening reading, in front
hall, from "Sturley".

Cambridge.

Ther

Saturday, Feb. 24, 1917

Wea
Fair

February thaw

Heavy rain last night. Sun shining
fitfully in overclouded sky to-day.
Very warm. Snow & ice going fast.
City streets afloat with water & slush.
A springlike quality abroad in
air & sky. Nothing quite like it
before this winter.

Garden birds. Heard Crows cawing
long & loud at sunrise. A big
mob of House Sparrows. Nothing else.

My deplorable condition of
mental unproductiveness seems to
have become hopelessly chronic.
It really looks now as if I should
never again write anything for
publication. The Red-wing story
is still unfinished and has
been more retarded than advanced
to-day. It simply will not
come out as I wish it to.

Our evening spent in hall with
usual reading by E. "Daunt" back
from Boston hospital this P.M.

Monday 26 Cambridge.
Ther ~~Sunday~~ Feb. 25, 1917 Wea
40°+ (Sunday entry on next p. but one) Stormy
Heavy rain storm with ther. above
40° all day. Everything flooded. Snow
& ice disappearing fast. Much bare
ground showing before night.
Squirrels thrusting up pointed snouts
in front of house.

Garden birds. 3 jays together in lilacs
at 8 a.m. White-throated S. chirping &
Downy W. calling. Lots of House Sparrows.

Red-wing story finished & put
away at last. Had to spend entire
day on it. It reads fairly well now.

Miss Balch at luncheon. Harry
Barrett came down this eve. with a
letter from Jeff. who wants £50. more
for Kenneth. We decided to call it
to-morrow.

"Laetitia" snuck last night. Pres. Williams
second peace message in eve. papers.

C. - I consider it disgraceful & cowardly.
E. rather undecided what to think.
It depresses me utterly.

Cambridge-Boston (Assessors at City Hall)
Tuesday 27
Ther ~~Monday~~ Feb. 26, 1917 Wea
(Monday record on opp. page) Fair

Partly sunny, very mild & springlike.
Snow almost all gone. One lawn
comes out decidedly, if only faintly,
green now that its winter covering has
been removed.

Garden birds. A white throat; very many
House Sparrows, noisy & amorous.

To City Hall at 10.15. Talked over "Tangible
Tax" with young, smooth-faced Assessor. Told
him all about my birds & eggs. He showed
interest & asked intelligent questions which I
answered with entire frankness. His opinion
is that my collection should bear no tax & he
will so inform the other Assessors. He advises me
to mention contents of Museum in my return
as "of no definitely known commercial value &
made use of solely for scientific & educational
purposes. He was friendly, courteous &
decided. I felt a respected person. An
honest, efficient, fearless fellow. Whose name I
did not learn.

Got Stanton's letter. Then went to Boston
Called at 53 Devonshire St. Visited Mrs. Bennett
known to me. Jay return on Geo. B. Kettell
Estate. Asked Mrs. Brown to complete record with
Thomas to our office. Dictated letter to
Judy Abbott, Mrs. Haley & Mrs. Mortimer
in the new furnace Wolfboro from back
also to contribute to Bradford Wood-
house at Martins. Home by 5. All
kind wing reading in hall.

Cambridge
Sunday 25
Ther ~~Tuesday~~, Feb. 27, 1917 Wea
20 (Tuesday entry other side this p.)

Clear & cold. Fresh N. W. wind.
Everything frozen hard again.
Snow surfaces mostly replaced by
thick sheets of polished ice.
Sidewalk slippery in places.

Garden birds: Two Crows on wing.
About 20 House Sparrows wrangling
over bread crumbs in our clothe yard.

But not making much noise.
Cold weather seems always to
silence them at this season but
not later.

Worked all forenoon & part of
afternoon on Ruth wing story, at
last it has been wrought into
something like presentable shape
after prolonged effort which should
have produced three that amount of
manuscript - yes! Ten times.

Miss Stetson, Miss Kelly, Miss Allyn
& F. Small Manning our dinner guests
Final trolley from Farm & a good one.
Frank stayed on until 4 P.M. Dick Dana
called before he left.

Cambridge - Boston

Ther Wednesday, Feb. 28, 1917 Wea
"We Dine" at Goodale's Fair

Light cloudy, calm, frosty but
not very cold. Hardly any snow
left. Tiny green-tipped shoots of
Squirrels & snow-drops showing by
scores in front of house & Museum.

Garden birds is a white-throat,
about 30 House Sparrows, 2 Jays &
a Crow.

Had to spend entire day writing
letters and cheques.

We Dine at Joe Goodale's.

Nine members present besides
Bert who has ceased to belong.
Barbour absent in Cuba. Water D.
Laid up with a cold.

We had an uncommonly good
time & stayed on until 11.45.
Talk ran partly to National Crisis
men to working of new lay laws
& what to return for "Tangible"
Home by 12.15. Harry S. took me
both ways.

Cambridge

Ther Thursday, Mar. 1, 1917 Wea
34° max. Dull.

Cloudy, Chilly, light northerly wind.
Altogether a cheerless sort of day.

Several verses. A White-throat singing
a little, feebly. House Sparrows to the
number of a score or more.

Wrote letters and rounded out a
lot of books that are no longer of
much use to my Museum library.
Shall place them in a box to be
more needed. It is also my intention
to give some valuable birds, which
serve no present or probable future
need of mine, to Mrs. Comp. Zook.
A letter mailed today informs Sam.
Henshaw of this & requests his formal
approval of the plan. My Labrador Duck
& Californian Condors would be among
the first to go.

Usual evening reading in front
hall. Both dogs with us there.

Cambridge

Ther Friday, Mar. 2, 1917 Wea
34° Dull

Weather almost precisely similar to that
of yesterday & the day before. Such
uniformity is unusual, especially at
this season. During all three days the
temperature has hovered close about
32° from morning to evening. As
there has been no sun since the surface
ground has remained frozen most
of the time.

Several birds, as White-throat & some
20 House Sparrows.

Letter writing all day.
Gilbert brought out his water. Much
ice from the ice-plant. C. & I played
at him this evening which E. was
absent at her knee. One of the
& another by Culp passed him
in the first water. Three others
good enough to keep. Four
will be returned.

Cambridge

Ther

Saturday, Mar. 3, 1917

Wea
Dull.

Still another thin - cloudy, windless day slightly warmer, however, than the three days preceding it.

Garden birds. A White-throat singing freely, at least 30 notes; House Sparrows.

Morning of day devoted to reading letters. I went to look on Umbagog No. 3. after inspection and wrote a short paper dealing with Ballinismore bridge. Mr. Foot & his small son Henry called at 5 P.M. by appointment to see my collection. I showed them a lot of birds & eggs. They departed about 6 o'clock.

Our evening reading has again begun when Felix Trinitor came to discuss canal restriction on Bottle Street. We talked about half an hour. He either received today from Samuel Henshaw expressive his official approval of transfer to Mrs. - L. of certain of my rarer birds.

Cambridge

Ther

Sunday, Mar. 4, 1917

Snow storm

Wea
Dull

Cloudy, calm, chilly. Some snow fell last night. It began falling again this evening & has since come thick & fast so that the ground is now (11 P.M.) covered to a depth of several inches.

Garden birds. The usual mob of House Sparrows. No other species noticed.

Writing letters most of day. Also began on the Crow Blackbird for Umbagog book & wrote say a page or so.

Miss Allgren our only guest at dinner. I played the new records for her after it.

Ingersoll & Sylvia Bonadich called at 8 P.M. to get information about Della Umbagog for a camping trip next summer. They stayed about an hour.

Cambridge.

Ther Monday, Mar. 5, 1917 Wea
Heavy snow-storm Stormy

Snowing hard all day. Strong N.E. wind. Ground again covered everywhere with snow to an average depth of almost if not quite twelve inches. It lies fairly level hereabouts but must be badly drifted in wind swept places.

Garden birds. Only a few House Sparrows & these acting as if they would much prefer to be somewhere else.

Worked all day on Umbagog trail. Result a single m.S. page of correspondence matter relating to Rusty Blackbird. It seems strange that I can ^{no} longer even have an interest of real productivity such as occasionally rewarded no greater mental effort not so very long ago.

Nuttall Club this evening, poorly attended because of storm. Townsend read a m.S. article by someone else in Canada, relating to birds eggs of *Passer domesticus*.

Cambridge.

6 Ther Tuesday, Mar. 6, 1917 Wea
15° min. Fine

Clear & cold with fresh N.W. wind. New-fallen snow 11 inches in average depth. It is so hard packed & ice crusted that our dogs scamper over it without leaving a foot-print. Yesterday's storm reported heaviest of entire winter. Freight trains on Cape Cod stalled in drifts 8 to 12 feet deep. Good sleighing in city streets. No bare ground anywhere in sight.

Garden birds. A single Redpoll seen to alight in jungle where it called many times; a Crow heard cawing & 2 Jays screaming. Lots of House Sparrows back again. Peabody bird last seen on March 3.

Working all day on Rusty Blackbird story. It went rather better than before & now covers two pages.

Evening spent in hall, E. reading "Shirley" to C. & me.

Letter to Schmon. Cambridge - Boston

Ther Wednesday, Mar. 7, 1917 Wea
20° min. New will expedited Perfect.

Weather - breeder type of day, cloudless, windless, with brilliant sunshine. Early morn cold, midday hours mild. Snow melting fast but no bare ground as yet.

Garden birds Redpoll & 3 Crows on wing, plenty of House Sparrows.

In Boston at 10.15. At office 10.45 - 3. Dealt three with: (1) Letter from Arthur Schmon who says Haley has been writing letters accusing him of lack of discipline while at our school. Wrote him that Trustees could not interfere in such a matter. (2) Letter from Edmund Parker offering to lease lower apartment 61 Sparks St. \$400. if we would connect it by archway with his house. Answered that this impressed me favorably & asked him to submit a more definite proposal that could be signed as a binding agreement if acceptable to us.

Dictated 3 more letters - to Judge Abbott, Mr. Morrison & Shaw. All this done with Sted. Buttrick's knowledge & full approval.

Mr. Brown called at 12.30 with my new will. We executed it in Notary's & Co's office where Mr. Hobbs & Mr. Watson witnessed it. Home by 4 P.M. Usual evening reading of Bible - I mean "Shirley".

Cambridge

Ther Thursday, Mar. 8, 1917 Wea
Stormy

Drizzling rain, descending from darkly clouded sky, settled the snow rather more than did the warm sunshine of yesterday. Boston Streets said to be impassable & closed to all traffic in some parts of that city. Almost everything on runners in Cambridge for the blighting still holds & it is no time for automobiles to gad about unless forced to do so.

Our house tulips & hyacinths are just now at their very best & making, we think, a finer show than those of any previous year.

Garden birds. Crow heard, 2 Jays seen, very many House Sparrows.

Worked all day on Rudy Blackbird story advancing it somewhat.

E. went in town at 4 P.M. to attend a service at St. Paul's.

She was not down this evening when E. had to run from "Shirley".

Pair of Labrador Ducks & Cambridge

Ther Friday, Mar. 9, 1917 Wea
5° Calm. Condors given to M.C.Z. Fair

Partly sunny, mostly cloudy; calm & mild but growing cold towards night. Streets still snow-covered & in very rough condition.

Garden birds. The wintering White Throat back again after an apparent absence of five days. He sang freely & rather loudly in vines by my study window for half an hour or more. Crows cawing in early morn. A swarm of noisy House Sparrows.

Harry Spelman reports hearing a Flicker shouting near his house on Brunswick St. this morning. No bird of that species has visited our place to my knowledge since January 24.

An unproductive day interrupted in forenoon by telephone talks about Inuit matters. Picked up R. Blackbird story a little in P.M. Sent as gift to Mrs. Comp. Took my pair of Labrador Ducks & 5° Calm. Condors Evening reading up stories in Li room. She has been a little under the weather lately.

Cambridge.

Ther Saturday, Mar. 10, 1917 Wea
40° Fine

Bright sunshine, absence of wind and a spring-like quality in the mild yet not warm air combined to make a very pleasing day. Streets still snow-covered & rough - with much business traffic on runners. No bare ground visible in our neighborhood.

Garden birds. The White Throat & about 15 House Sparrows.

Another unprofitable day, passed largely in reading for some hours. I did not feel up to anything else although working an hour or two at my sewing. It was just beginning to advance when interrupted by Dick Dana whom I was nevertheless rejoiced to see. He has just bought two Copley paintings from a descendant of the Vassal family for \$1000, originally they were painted, & has given them to Camb. Hist. Soc.

Evening reading in front hall.

Cambridge

Ther Sunday, Mar. 11, 1917 Wea
Stormy

More snow - some three or four inches - which fell mostly last night and whitened every slenderest twig of tree or shrub this morning but turned to rain or slush later in the day so that little of it remains to - night. The sleighing is well - nigh ruined but there is plenty of slushy snow left on Brattle St. & no bare ground to be seen anywhere as yet.

Garden birds - The White - Throat singing faintly, a Crow cawing afar off, about a dozen House Sparrows.

Spent most of day in Museum reading the Sunday paper & working a little on the Rusty Blackbird story.

Our guests at dinner - were Mrs. Sawyer & Miss Villards. Miss Allgren dined elsewhere. Evening reading no more.

Cambridge

Ther Monday, Mar. 12, 1917 Wea
40° max. Fine

Clear & mild with light northerly wind. Snow melting rapidly wherever the sun's now powerful rays could reach it. A little bare ground beginning to appear here & there on sheltered banks & beneath evergreen trees whose foliage has intercepted falling snow.

Garden birds. The White - Throat chirping & singing close to my window; a Jay & Crows heard further away; House Sparrows to the number of 15 or more.

Devoted part of forenoon to selecting bird skins to be sent for study by Clyde Todd at Pittsburgh & Mr. Lane at Pasadena. Spent remainder of day working on Rusty Blackbird story which continues to "hang fire" in a manner that might once have discouraged me but can no longer do so because now recognized as inevitable.

Evening reading in hall. C. did not come down for it.

Cambridge

Ther Tuesday, Mar. 13, 1917 Wea
Fin

Cloudless with warm sunshine but cool & blustering north-west wind - altogether a typical March day.

Through midday hours the sun made havoc with both snow & ice, exposing more & more bare ground until by night it almost equaled that still snow-covered throughout our garden & lawn.

Garden birds. A Cedar Waxwing, a White-throated Sparrow, about 20 House Sparrows & several Crows.

The Cedar bird was plainly seen just after it had alighted with 4 other birds in a cherry tree. The other birds were probably Waxwings also but that cannot be certainly affirmed for every one took flight before I could get a fair sight of them.

Worked all day in Museum. Packed out a lot of bird skins to be given to Charleston (S. C.) Museum. Also pushed on Rusty Blackbird story a trifle. Evening reading in hall. Skirting finished

Cambridge

Ther Wednesday, Mar. 14, 1917 Wea
40° Dull

A rosy sunrise followed by increasing cloudiness with light rain & snow falling in late P.M. Snow & ice fast turning into slush. More than one-quarter of lawn & jungle bare.

Garden birds. About a dozen House Sparrows; I noticed nothing else.

Had to spend forenoon writing letters. Worked on Rusty Blackbird story in afternoon, describing the nest & eggs taken by Harrington near South House in June 1876. That is now upwards of forty years ago and poor Harrington must have been ^{his} ~~no~~ ^{quite} ~~at~~ least half that length of time but the eggs & nest look as fresh as ever and I still remember how they interested all of us when he brought them in from the "Savings" behind Abbott's mill.

E. came along to C. & me this eve. from an interesting book describing Penn. State Conservatory

Cambridge

Ther Thursday, Mar. 15, 1917 Wea
Mixed.

Forenoon cloudy, the chill air filled
at times with large snow flakes.
Afternoon sunny. Harsh northerly wind.

Garden birds. The White-throat, singing
a little in subdued tones; 2 or more
House Sparrows; a loud screaming Jay.
No Flicker has been seen within our
grounds since January 24 but one was
eating fruit of a flowering apple tree
growing in Channing Smith place when I
passed that way this morning.

Started for Harvard Square on foot at 9.45
A.M. Spent 2 hours in Dr. Andrews's
(dentist) chair. He filled six teeth - all
that needed such attention. After that I
called at Harvard Co-operation, to order some
of gray clothes; at Wyeth's to buy a box of
Fla. oranges (\$5.50); at Marler's to
have hair cut. Home by 1.30. Walked
on Rusty Blackbird story in P.M. Still
baffles me strangely. Usual
evening reading in front hall, in there.
although sorely afflicted by dizziness to-day.

Cambridge - Boston

Ther Friday, Mar. 16, 1917 Wea
Fine
Photos taken by Purdy.

Clear; calm; early morn frosty;
mid-day hours mild. Most spring-like
day thus far.

Denman Ross has crocuses & snow drops
in full bloom. We have neither as yet
but a cluster of snow drops in front
of Museum. May open a few flowers
to-morrow or next day. Ground bare
in many places but plenty of snow & ice
still left.

Garden birds. A Purple Finch in almost
full song at 9 A.M. Its sweet voice
the most springlike sound I have heard
this year. No other birds except House
Sparrows.

Saw a dozen or more Goosecans, mostly
old drakes, off W. Boston bridge.

Wrote letters & a telegram to Des Moines
Register in forenoon. To Harvard Sq. at
11.45. Called at Post Office & Harvard
Co-op. Thence to Boston. Talked with
Darling about leasing flat to Parson,
Lunched at Marlboro, had photos
taken at Purdy's for Boston Press Ad.
Home by 4.30 P.M. Drove F. Miller
to all support with me. Called on Denman

He will be in about 1 P.M. to consult him about...

Cambridge

Ther Saturday, Mar. 17, 1917 Wea
Stormy

Dismal weather with chill N.E. wind and driving rain varied by occasional flights of large snow flakes driving over the water soaked lawns & gardens now for the most part bare of snow & ice.

Garden birds, The voice of a Flicker, perched in top of Catalpa by Museum, came again & again to our ears at 9 a.m. He "shouted" then long & loud, a dozen times or more. C. both heard & saw him from his "morning room" window.

I noticed no other birds save House Sparrows & they were not numerous. Crow Blackbirds should be here now but are not, apparently.

Worked in Museum, mostly on Rusty Blackbird story. It went better than at any recent time & I covered a full page with fresh - written matter.

Evening reading in Pear Room. "Furry" at dog hospital in town because of a catarrhal throat.

Cambridge

Ther Sunday, Mar. 18, 1917 Wea
Fine

Clear & cool with blustering N.W. wind.

Snow drops front of Museum showing creamy white flower buds almost ready to unfold.

Garden birds, A Chickadee giving phoebe calls, a White-throat singing faintly, a Flicker singing loudly a Jay screaming & a Crow calling - all heard in the course of a few minutes about 9 a.m. when their voices fell very pleasantly on my ears.

House Sparrows scattering widely, probably in search of nesting places.

Worked on Umbagog M.S. all day, reviewing matter recently composed.

Mrs. Scudamore & Miss Allys our guests at dinner. Victor music after it. C. still keeps up stairs.

I dined at the Fairchilds this evening & afterwards sat in their parlor until 10 P.M. Talking with Cousins Lily, Sally & Gordon - all very agreeable.

Cambridge

Ther Monday, Mar. 19, 1917 Wea
15° min 21° max. Shrike. Fine

Wintery weather back again; brilliantly clear with high N. W. wind. Ground hard-frozen, snow melting only a little where fully exposed to sun's rays.

Garden birds; Jay & Crows heard.

A Northern Shrike alighted in Saddle pear tree about 5 P.M., remained there perhaps three minutes, flew thence to cherry tree, left that a few seconds later to be seen no more.

Batchelder & I watched him from my study windows. He looked exactly like the remarkably handsome one that visited the Garden on January 22 last & probably was that self-same bird. On that occasion he sang freely. To-day he uttered no sound that we heard.

Devoted forenoon to picking out surplus skins of Heath hens, Pinnated & Sharp-tail Grouse which Gilbert took to Mrs. Comp. Tent. Batchelder called at 4 P.M. staying until 5-30.

Muttall Club meeting this evening. Dr. Phillips gave us a most interesting talk on Mendelian laws illustrating with numerous cases of hybrid Drosophila & Thaumococcus.

Cambridge.

Shrike singing.

Ther Tuesday, Mar. 20, 1917 Wea
40° max. Robin & Grackle arrive. Fair

Mostly sunny; calm; mild but chilly.

Garden birds. A Shrike singing in Catalpa tree by Museum; a Robin calling just before sunset; a Cow Blackbird's harsh voice heard in mid P.M.; half a dozen or more scattered House Sparrows.

The Shrike here yesterday was doubtless the self-same bird observed to-day. On both occasions he looked smaller & darker colored than a Northern Shrike & seemed to have a broader, blacker head stripe. Nevertheless it did not seem to me that he could be anything but a Bullock bird until I heard him singing this afternoon when he uttered only a chir-e note given three in slow succession & then repeated many times at short intervals.

This song, together with the bird's small size & peculiar coloring, leads me to think that he must have been a Migrant Shrike. So also may have been the one noted on Jan. 22 but that seems less likely.

Spent day in Museum picking out duplicate birds to send Mrs. C. Z. A. M. Frazar spent a long evening (7-30-1430) with me. We talked over old times & present ones, also, & enjoyed it largely.

Cambridge

Ther Wednesday, Mar. 21, 1917 Wea
41° Fair

Forenoon cloudless & windless with bright sunlight & soft, spring-like air. Afternoon cloudy & chilly with light easterly wind.

Hundreds of snow-drops & crocuses showing green shoots in front of Museum but not one blossom of either kind open as yet. Snow & ice almost wholly gone from lawn & mostly from garden.

Garden birds. 2 Crow-blackbirds, one in cherry tree calling to another in lilacs, both males with burnished plumage glistening in sunlight. 2 jays, a mated pair, doubtless, for they kept very close together. Flicker shouting at intervals, 9-11 A.M. Only a few House Sparrows.

Spent day in Museum, writing letters & making out lists of seeds to be planted here & at Concord.

"Jimmy" brought home this forenoon, with cough all gone, but "Daam" became suddenly affected in same manner this eve. & paper was arranged by telephone to take him down to his home.

Cambridge.

Ther Thursday, Mar. 22, 1917 Wea
30°, 38° Death of Margaret C. Deane Fine

Clear; cool; almost no wind; air dry & bracing. Altogether an uncommonly perfect day although not a very mild one.

Garden birds. A plump, red-breasted Robin running on the lawn at 9 a.m.; 2 Grackles about all day; Crow perched in juniper; Jay screaming; a few House Sparrows.

Margie Deane died at 12.30 last night. We first heard of it at 8 a.m., from Miss Jeanne Chapin, by telephone. I went to Walter's home after breakfast & saw him for a few minutes; also George Deane & May Dexter. Gilbert motored George & Lucy D. to Mt. Auburn Lake. May asked me at Walter's request to serve as reader at the church funeral but I had to refuse because of physical inability to perform such service. Walter knew all about my weakness but doubtless did not think of it at the moment. I spent a much interrupted day in Museum. Telephone in frequent use. Motored to Harvard Camp at 2 P.M. to top on new clothes; wrote letters & card notes. Evening read in Pease room.

Cambridge. Boston.

Ther

Friday, Mar. 23, 1917

Wea
Fine

Sunny & mild with light southerly breeze. Clouds gathering in late P.M.
Most springlike day thus far. Air wholly without chill. Snow & ice all gone except from shaded places.

Garden birds. 3 Robins seen by Percy.

Between 9 & 10 a.m. I noted the following.

A Brown Creeper in sidewalk maps on Rindabel Ave.; a Fox Sparrow singing divinely in lilacs as it rambled about over bare ground & snow banks; a Jay; 2 Flickers shouting alternately, one near, other afar off; Starling screaming in apple tree; 2 Grackles; Crows cawing; a few House Sparrows.

Called on Walter at 9 a.m. but he was away in motor car. Returning coach to him a note of sympathy etc. C. went in town with our car at 9.45; Walter used it later. I started for Boston at 11.45; At our office 12.10 - 3.45; except when lunching at Newton's.

Called at 53 Devonshire St. at 4 P.M.

To introduce Mr. Brown about conduct to C. is well. Home at 5. Very tired.

Cambridge. Boston. First Crocus & Snowdrops.

Ther

Saturday, Mar. 24, 1917

Wea

Migrant Shrike's third visit Mixed

A warm rain falling through last night & this forenoon has melted practically all remaining snow & ice. The afternoon sunny & serenely calm & beautiful. Two white Crocuses in bloom front of house, many Snowdrops front of Museum. Both flowers appearing thus for first time.

Garden birds: Migrant Shrike perched in heronarium singing ceaselessly 10-10.30 a.m. Identified him positively this time.

2 Jays; 2 Grackles; 3 Crows, several House Sparrows.

Wrote letters and bird notes 9.15.30 and went in town at noon. Spent two hours at office. Signed quarterly Estate Cheques. Lunched at Cole & Marshall's, Merchants' Row, a resort for Manhattaners where I had a delicious tenderloin steak, perhaps the best for forty years. (We used to get them in similar places in 1871-72) Home by 4 P.M. Margie Deane's funeral at 3. Christ Church, C. & B. says there I could not go because of my physical infirmities.

Cambridge

Ther Sunday, Mar. 25, 1917 Wea
46° max. Perfect.

Brilliantly clear & just seasonably warm (or cool) with gentle easterly breeze blowing fitfully. Most typical spring day thus far.

Garden birds. 2 Flickers shouting (one afar off), 2 Jays, 2 ♂ Grackles, 5 Crows on wing, ♀ Dove at nest, several Robins calling far & near & one singing briefly & faintly, at evening.

Wrote several letters after breakfast. Sleaked for a walk at noon. Went up Brattle St. & Fayconnet St., returned via Highland & Beacon St. Found all the Spidmores working in garden & stuffed to chat with them.

Met Cobb, Lucy Fuller & Alice Allen one guest at dinner. At 3.30 called on Charles & Ruthorn Dean. Dined Dana there. Had a long talk with them in familiar library of family home.

Home by 5.30. Harry Barthol called this eve (8.30-10). He will call to 25 to Feb. to museum.

Cambridge

Ther Monday, Mar. 26, 1917 Wea
56° max. First Squalls Ideal.

Cloudless, windless; warmest day thus far yet with bracing tang in the still, sun-bathed air.

Several squalls in Museum bed showing blue flowers almost ready to open.

Hundreds of snow drops & a few purple & white crocuses in full bloom.

Snow & ice almost all gone.

Garden birds. A Robin on lawn, 2 calling at sunset; White-throated Sparrow in nearly full song at 9 a.m.; Flickers shouting at intervals all day; 3 ♂ Grackles stalking along driveway; 2 Jays; Crows heard.

Worked in Museum through forenoon, writing letters & cheques for bills.

In P.M. motored to Union Stock Yards, Watertown to enquire about manure. They have plenty of horse manure @ 3.25. Saw many horses awaiting transport to France - nearly all clumsy, sorry-looking animals & some apparently ill. Evening reading in hall.

Cambridge

Ther Tuesday, Mar. 27, 1917 Wea
Unsettled.

Forenoon sunny, calm & mild. Afternoon
& evening rainy - a warm rain
with light southerly winds.

Garden birds: 1 Robin; a silent
Song Sparrow in shrubbery by
Museum; the wintering White-throat
in nearly full song; 2 Jays; several
Grackles making loud clatters;
a Crow in elm over driveway;
half a dozen or more House Sparrows.

Motored to Mus. Comp. Tool. in
forenoon taking down almost the
entire J. C. Merrill collection & some
other birds. Saw Sam Henderson,
J. Barlow, Harry Bigelow, Robt.
Jackson. Two rosy-bellied colored
House Sparrows taken in Lexington by
Taylor & Lytle - very remarkable birds.
Home at noon via Harvard Sq. & City.
Called on Walter after luncheon.

Ruthven Deane spent evening with
me. We had a glorious talk. 8:00 P.M.

Cambridge.

Ther Wednesday, Mar. 28, 1917 Wea
Fine

Clear & cool but not frosty.
High north west wind.
Many Crocuses in bloom.

Garden birds: 8 Crow Blackbirds, all ♂♂,
on lawn beneath its bordering trees
making food by turning over & tossing
aside sodden masses of fallen leaves.
It was interesting to see them thus
flung into the air in quick succession
at perhaps half a dozen spots. The
birds shone resplendent when they
stalked out into full sunlight which
indeed set them fairly ablaze with
iridescent greenish, coppery & baby
blue wondrous to behold.

2 Jays rising from jungle & flying off
westward at 8 A.M. as is their
frequent habit here. One Robin.

Worked all day in Museum,
writing letters & changing mostly.
C. went in town to Cathedral this
evening - I spent it at the Always
with Mr. & Mrs. & Mary.

Cambridge

Ther
46°

Thursday, Mar. 29, 1917

Wea
Variable

Raining in early morning. Sun shining at intervals in forenoon and throughout most of afternoon. Coolish day with rather harsh northerly wind. Grass beginning to show green on sunny banks. Frost well out of ground in many places. Some snow & ice left under dense shade.

Garden birds. A Robin; hissing call of either Fox or White-thr. Sparrow heard; Hairy Woodpecker heard calling chick & also giving prolonged rattling outcry; several Grackles in lilacs; only 3 or 4 House Sparrows.

After more than the usual spring "shouting" of Flickers in this neighborhood this pleasing sound has not been heard by me for three days past.

Spent day in Museum sorting letters.

C. Motant in town to see Dr. Cheney who reports his eyes considerably improved.

Harry & Harriet Bartlett called this morn.
8-9 o'clock!

Cambridge, Boston.

Ther 4
40°

Friday, Mar. 30, 1917

Wea
Fine

Clear with blustering and very chill N.W. wind; altogether a typical March day.

Garden birds. A Robin and several Grackles were all I noticed.

Correspondence continues to occupy a large share of my time. There were four letters of pressing importance to be answered this morning before I could start for Boston - at 11 A.M. Went first to Pincham & Smith's where Mr. P. fitted me with new reading glasses stronger than those that have served me well with previous change for upward of 15 years but which have ceased to do so of late.

Next to our office where I spent a couple of hours. Lunched at Marston's.

Returned 3 records to Stearns & bought 2 duplicates of exquisite Guellet record her latest 1. Home by 4 P.M.

Eat Bee this eve. Having further supper with C. & me & stayed about an hour afterwards.

Cambridge.

Ther Saturday, Mar. 31, 1917 Wea
Fair.

Early morning sunny. Sky overcast
by 10 a.m. & through remainder of day.
Air chilly but not frosty & almost
windless.

Garden birds. A handsome, familiar ♂
Robin running about over flower beds,
within a few yards of more calling them,
and singing well but not loudly for a
minute or two at 6 P.M. Peabody bird
in nearly full song. Silent Song Sparrows
& Fox Sparrows in shrubbery by Museum.
Several Grackles in jungle. Flicker
shouting after off. Only 3 or 4 House
Sparrows over & collecting building material.

Spent most of day sorting letters
& putting things away for summer.
A "Horn & Horns" party of young girls from
Burlington School invaded garden about
noon scattering paper "flats" broadcast in
jungle. I made them gather it all up.
About 15 boys members of a juvenile Bird
Club, came at 5 P.M. to the collection.
They were very bright & excited &
much interested in many things they saw.

Cambridge.

Ther Sunday, April 1, 1917 Wea
Fine

Clear & cool with light westerly wind.
Snow & ice practically all gone, even
from shaded places. Not much frost
in ground exposed to sunlight.
Barons still seen & browse for next
part. Crocuses, Scilla & Snowdrops
blooming freely & numerous.
Maple trees thick with blossoms.
Sycamore leaves unfolding, some out
as big as mouse ears.

Garden birds. ♂ & ♀ Robins together
in flower beds with 2 Fox Sparrows
and a Song Sparrow all feeding
silently there just before sunrise.
The White-throat sang repeatedly then.
13 Grackles on ground in jungle
all day long. Flicker shouting
cheerily in early morn. One
Crow; half a dozen House Sparrows.

Spent part of day in Museum
sorting letters. Miss Abby at dinner.
Mr. Hayward & daughter called in P.M.
& read Thoreau & Turgenev to C. & me this eve.

Cambridge-Boston-Concord.

Ther

Monday, April 2, 1917

Wea
Dull

Cloudy, with chill N. E. wind,
& light rain at evening.

Garden birds: 2 Robins, 2 Fox
Sparrows, 1 White Thr. Sp. singing.
Several Grackles.

Gilbert & "Jimmy" motored off for
Concord at 10 a.m. I went in town
at 11.30. To spend two hours at office.
State St. gay with flags & black with
people. Newsboys shouting & selling
papers rapidly. Excitement caused by
Sen. Lodge's encounter with man at W.
Left Boston by 2.40 train. Gilbert
met me at Concord. Reached farm
about 3.40. "Jimmy" & I had our
first walk later. He started 4 Partridges
& a Rabbit in Birch field, a Pheasant
at Ricketts place, a Woodcock in
Berry Past. One Robin, about 30
Juncos, a Chickadee & Gold. Oriole heard.
Roads dry, fields bare, some snow
& ice in woods.

Concord

Ther

Tuesday, April 3, 1917

Wea
Fair

Forenoon cloudy & calm; afternoon
sunny with fresh northerly wind. Cool day.

Robin singing well at sunrise. When I
started for a walk at 8 a.m. & during next
hour I heard very many birds, the most
in Lawrence's orchard. Where at least a score
of Juncos 2 or 3 Song Sparrows & one
Fox Sparrow were having a glad concert.
It was intermittent but so another heard
about 3 P.M. at Ricketts place where many
Juncos, several Song Sparrows & a Tree Sparrow
sang ceaselessly for at least ten minutes
mingling their voices in the most delightful
way. Rarely have I heard similar bird
music equally tender & appealing.
A Fox Sparrow sang divinely near our house,
at least 2 Bluebirds warbling overhead,
a Meadow Lark whistled in Lawrence's field,
a Tree Swallow whistled vigorously over
Birch field, a Red-shafted Hawk would
screaming come close to my ears. Two
Pheasants, one in song. A Cowbird & a
Red wing flying over orchard.
Spent part of day working on flower beds.
Buckwheat coming up around house.

First Butterflies

Concord

Ther Wednesday, April 4, 1917 Wea
30°, 50° Fair. Wood Frogs 7 in

Clear with high N. W. wind. Ground frozen in early morn. Noon hours warm in sheltered places with - Butterflies of two species (Andrena & the big red brown & white early kind) on wing; Graced chorus of Wood Frogs at 3 P.M. in pond below orchard.

Few birds seen or heard. A Song Sparrow & a Phoebe literally the only ones singing. All the Juncos & Fox Sparrows apparently gone for & could not find one of either kinds. 4 Robins running on lawn & two flocks (7) (11) migrating straight northward at 5 P.M. Cooper's Hawk (♀) going north high in air, 10 a.m. Red shouldered H. soaring over orchard & alighting in Berry Pasture.

Three different flocks of Gold-crests, a Chickadee & a Cuckoo only birds met with in woodland. 3 Pheasants ♂ & ♀ eating white seed on lawn by toll creek, 6.30 A.M., the cock resplendent in twilight.

Junco & I spent 2 hours in foraging in Birch Field & 2 in P.M. in present farms & Birch. 2nd. weather.

Concord. Cock Pheasant chased by dog

Ther Thursday, April 5, 1917 Wea
40° 60° Rabbit killed by Fox. Fair

Forenoon sunny but hazy; afternoon cloudy. Light, chill S. E. wind all day.

First noted. Field Sparrows & (Song Sparrow, Berry Pas., & a.m.) Grass Finch (do at Rutland pt. 9 a.m.), Kingfisher 1 (by river at Holden Hill), Black Duck 4 (flying high S. over Birch Field, 5 P.M.).

Junco 20+, Farm, 30+ at Rutland place
Fox Sparrow 1 1/2, & Brewer's Landbird, 2 Ball's Hill
Song Sparrow 3 1/2 at Farm, 2 1/2 at Rutland place

A cock Pheasant pursued by "Jimmy" across Hawn's meadow (an 100 yds. at first) when the little dog gained on him fast going about 2 ft. to his 1. After the bird took wing it was the other way but Jimmy kept on for 200 yds. up a steep hillside & was not more than 100 yds. behind the bird when he gave it up.

Found five, scraps of skin & bones of Rabbit near mouth of culvert under road path to Rutland pt. Rabbit evidently killed by Fox who probably watched for & pounced on him from road way as he left culvert.

Spent most of a.m. walking about lower side. Burdock & Grape Cherry leaf miner. In Ball's Hill area. Holden Hill at 3 P.M. Back via Davis Hill & Prospect farms. Run over meadows but no fox seen. Plenty of woodchuck signs. No Red wings.

Concord

Ther Friday, April 6, 1917 Wea
Woodcock in Berry Pasture Stormy

"No'heaster", with strong, chill wind and incessant heavy rain that filled brooks to overflowing and hollows in fields with temporary ponds of surface water. Country white with snow at day break & for sev. hours later. Grass in dairyard showing bright green in spots for first time this spring.

12 Fox Sparrows spent most of day on lawn front of house eating millet seed.

Only one song & he but twice 2 Song Sparrows only birds with them. 20+ juncos at Kitchin pt. Purple Finch calling behind our house. Sev. Robins, one singing well. I was out with "Jimmy" for an hour (10-11) in forenoon when it was raining hardest.

As we were following a cart path in Berry Pas. a ♂ Woodcock flushed in dense swampy maple cover at least 25 ft away. He came straight towards us into road, jumping over a firm snow, & then went off along it, out of sight. Afterwards a P. Martin flew from a tall pine near Tuttle Rock. All our little water courses & (artificial) water falls looking thin, dry, but spent most of day in heavily watching the Post. up bird house in P. H.

Concord - Boston - Cambridge

8 Ther Saturday, April 7, 1917 Wea
Stormy

Cloudy, with chill N. E. wind, light rain & thin fog. Roads water soaked & deep in thin mud.

Farm birds: 8 Fox Sparrows & 2 Song S. feeding on grassy space in front of house.

One Song Sparrow bossed all the rest, attacking Fox Sparrows with amazing spirit, repeatedly clinching & rolling over & over with one or another of them, until finally he was left to monopolize a yard or more of turf.

Garden birds - Cambridge. A Robin, a Song Sparrow (singing a little), a Flicker (shouting) upwards of a dozen Grackles (on ground in groups).

Gilbert motored me to Concord & thence kept on to Cambridge, narrowly escaping collision with another Ford car in Arlington.

I took 8.06 train to Boston talking with George Hayes all way. Spent 2 hours at office. Put recently acquired shell catfish in safety blanket, took out for sale 37 lbs. West End R.R. Prof.

Ordered large supply garden seeds at Follen for Farm. Scheduled Easter Lily at Phillips for C. Hannon by 12.45. C. not well. Confirmed C. known by headaches & oppression for sev. days past. Harry's new Cunningham called must P. H. E. read "Bridge & Prejudice" to say in hall this eve. C. down stairs and upstairs early.

Horned Larks over Garden Cambridge

Ther ^{East} Sunday, April 8, 1917 Wea
42° may Hermit Thrush on lawn. Perfect.

Brilliantly clear with warm sun but
chill, although light, northerly wind.

Crocuses & snow drops all very best. Squirrels
approaching a. lawn mostly green. Ice
on roofs at sunrise.

Garden birds. Hermit Thrush & 2 Robins well
out on lawn, 8 a.m., all three birds making
short, quick runs between & further in almost
precisely the same manner. When at rest,
however, the Hermit stood more erect than Robins.

Song Sparrows in flower beds; White-throat singing
faintly in lilacs; 15+ Grackles tossing dry
leaves to & fro all day long in jumps; Flicker
shouting at 2 P.M.; Crane on wing; 2 House Sp.

A flock of Horned Larks migrating northward
at 1.30 P.M. attracted my notice by their familiar
piping calls. As they passed over house & garden
just above tops of lindens I counted them
twice, making 14 birds each time. They were
as closely bunched as Red-wings. I have never
noted any here before.

Spent much of day in Museum reading local
news & working on Tangible Jay returns.
Called on Walter at 12.30 but he was out. I found
the Speluncas in & stayed half an hour there
with Jeffries & his Mrs. called at 4.30 P.M.
& read "Pride & Prejudice" to C. & then in
hall by listening from this library.

Cambridge. Tangible Jay return at City Hall
Pardon " " " made April 21)

Ther Monday, April 9, 1917 Wea
20° 30° 26° Heavy Snow-fall. Stormy

Snow began falling sometime last night &
by 8 o'clock this morning had covered the ground
to a depth of three or four inches. Coming
thick & fast it continued to gain until
by noon it measured fully 10 inches deep.
(Newspaper reports 11" about Boston, 9" at Philadelphia)
Being heavy & wet it clung to every branch
& twig giving the entire landscape a
wintry aspect as any seen here before this
year. The storm was accompanied by strong
N.E. wind. The sky cleared & then sun
shone brightly by 3 P.M., after which the
snow melted fast & settled to about 8 inches
deep by nightfall.

Garden birds. In a space kept shoveled free
of snow & supplied with seed a Fox Sparrow,
White-throat, 5-6 House Sparrows & 15+
Grackles fed eagerly through entire day. A
Flicker "shouting" not far off.

Return to Concord necessarily postponed.

Spent A.M. in Museum; to City Hall at
2.30 P.M. Pleasant interview with Anna
Courtney. Assured her a few weeks ago. Went
over Tangible Jay return with him & asked
his advice at certain items. Finally
signed & took oath to it in his presence. He
thinks my Museum library very complete
but I put it in tentatively at 1.30.
E.R.S. read to C. & then in hall then over

Hungry birds

Cambridge - Concord

Ther Tuesday, April 10, 1917 Wea
25°, 32° (max) Snow 6" deep over Garden Fine

Mid-winter day in Cambridge. Despite incessant brilliant sunshine over the mountain on back porch did not once rise above 32° & a high N. W. wind raged ceaselessly. In shaded places the snow did not change its character or depth, in sunny ones it melted & settled fast yet lay 6" deep almost everywhere at nightfall. The streets & sidewalks were clear of it, however. Garden birds - many & very hungry. Percy shoveled a few yards clear of snow for them & we kept this area well supplied with millet & hemp seed besides bread crumbs. It was simply crowded all day long with birds including 50+ House Sparrows, 6 Fox Sparrows, 3 Song Sparrows, a ♀ Junco, 7 Grackles, several Street Pigeons. Fox Sparrows sang gloriously, Song Sparrows only a little. A Flicker "thumping". A Robin running about over snow.

Copied notes in A. M. Took 2.40 P. M. train to Concord where Gilbert met me. Motored to Farm & walked to Birch Field in late P. M.

Almost no snow to be seen west of Walden except in shaded places. Concord fields & roads wholly free from snow as when I arrived. Backyard says only about 2 inches fell in all yesterday. I found that much under pines to-day. Saw only one bird - a Fox Sparrow - on Farm. 2nd Pigeon near barn.

Concord

Ther Wednesday, April 11, 1917 Wea
28° min. and night Fine

Brilliant day with strong N. W. wind changing to W. & then S. W. before noon & to N. E. in late P. M. when the sky became thinly overclouded & a "sun-dog" appeared in it towards the west.

Approximately 150 Juncos, a dozen or more Fox Sparrows & half a dozen Song Sparrows about the Farm all day mostly in orchard & in Cedar Park. Lesser numbers of all other species at Kitchie place. Only a few visited our bird bed. Fox Sparrows singing freely & gloriously at times. A pair of Phoebe in Berry Pasture two to in full song; once in full flight song.

Marked influx of Robins in late P. M. First Flicker, silent. Saw Par. About 10 or a dozen flying hither & thither calling gladly, two singing long & well at sunset; all local birds, apparently.

Great Blue Heron, Herring Gull & Red-shoulder heard afar off. Pheasant crowing frequently at noon.

Spent forenoon in field across road burning in a new pile of brush. It made a great blaze & the fire ran half overfield. Heated in flowering plants in P. M. Striped about Farm & Kitchie pl. at sunset.

Concord

Ther Thursday, April 12, 1917 Wea
Dull

Cloudy with light S.W. winds.
Snow flakes falling every now
& then but never ones settling on
ground. Last vestiges of Monday's
snow fall disappeared to-day.

Fewer birds than yesterday

About 50 juncos in orchard &
several on banking front of house
in company with 8 Fox Sparrows.

Only one or two Robins. A
White bellied Nuthatch & a Gold crest
in Cedar Park. Jingling voice
of unseen Rusty Blackbird heard.

Fox Sparrows sang but little,
Juncos even less. No Catbirds
strange to say I have not heard
a single Hylas yet. They are
unprecedentedly late this year.

Spent most of forenoon in
Cedar Park, where George was
burning brush, & in orchard helping
Beaumont burn corn stalks. In
P.M. transplanted raspberries &
a large *Viburnum Opulus*

Concord. Snipe drums over Farm, 9 a.m.

Ther Friday, April 13, 1917 Wea
42° max. A flood of juncos & Robins Fair

Forenoon calm & mild; sun shining feebly
through thin clouds or down haze. Afternoon
cloudy with light rain at intervals.

Great flight of juncos & Robins. At least
200 of former in orchard rising in clouds
from stubble to sing in woodrow medley choros
while perched in apple trees. About 30 more
at Ketchikan place. Robins everywhere in flocks &
singly, singing freely. 12 one grand together in
Lawrence's field. First "fledgling" heard.
Nuthatch in dry yard chews calling loudly 2 hours.
Creeper & Gold. Great singing in Cedar Park. Goldfinch
near house. Meadow L. & Grass Finches, Lawrence's field.
Heard Snipe drum at 9 a.m. Saw him mount
later flying over house S.W. so high he looked no
bigger than Hummingbird. When over Ketchikan pl. he
drummed again keeping straight on the whole
but inclining somewhat downward.

No Swallows visiting boxes but three passed
one high N.E. at 9 a.m., calling. I fear our
local ones justified in last years storm.
2 & 3 Chumblers inspecting boxes & entering one.
2 Phoebe at Ketchikan pl. one at Farm. No night
Catbirds voices but Wood Thrush heard. 10 P.M. last.

Spent most of day working with men.
Grassplanted a lot of seed cedars from
Ketchikan place to Farm, planted trees &
shrubs etc.

No. 1. at 11 a.m. sharp - thin Hawk? soaring rather high & doing little

Concord - Boston - Cambridge

Ther Saturday, April 14, 1917 Wea
Perfect

Bleak & cool with light westerly wind.

Ponds at Farm & in Cambridge garden frozen over at sunrise. Middle part of day rather warm.

Farm Birds. 6 Fox Sparrows & 5 Juncos in front of house at breakfast time.

Cambridge Garden birds (3-7 P.M.). 6 Fox Sparrows & 1 White-throat in jungle; a Flicker shouting in lindens; several Grackles; Robins singing & calling far & near towards sunrise (3 or 4 in full song to be heard at once). Screech Owl started from low branch overhanging Brewster St. sidewalk, near of Garden, as I was strutting there at 7 P.M. He flew up Sparks St.

Left Farm at 7.45 & took 8.06 train from Concord. Sat in smoking car with Geo. Hayes & Geo. White. Reaching Boston called at bird store, Portland St. to look for Pigeons etc but found nothing desirable. Saw 3 handsome fowl.

Wrote to one officer. Signed deed to whole lot (Hindman Rd), sold 37 lbs. West End R.R.

Prof., bought 10 Mrs. Lewis Man. Co. Called at 5-3 Devonshire St. where saw Mrs. L. & had talk with Mr. B. about calling to C. with. Bought seeds at 7-7 & 7-10 & talked with John Trotter. Still a handsome, vigorous old man. Lunched at Marlboro. Dined at 3.30, C. & E. with John Trotter. Spent evening & talked much of Cambridge.

Cambridge

Ther Sunday, April 15, 1917 Wea
Fair

Early morn clear & calm. Remainder of day cloudy with light chill easterly breeze.

Vegetation very backward & advancing but slowly. It has been retarded by cold nights, not over-warm days and frequent absence of sunshine. Yet the ground is totally free from frost & has been for a week or more except when surface-frozen over nights. Crocuses & snow drops still in fullest bloom with squills approaching it in shattered spots.

Grass green on city lawns but not growing much as yet.

Garden birds. 2 Robins on lawn, several in full song at eve; only one Fox Sparrow; a Flicker shouting all day at intervals; 2 or 3 Mockers in jungle; flight call of Goldfinch heard; also the rich warbling song of a Bluebird coming from afar, faintly.

Spent most of day in house & museum writing letters & reading war news. Walked down to St. Johns with C. at 9.15 but left her there. Called on Walter D. in West P.M. Miss Allyn at dinner. E. read Pride & Prejudice to C. & was this eve.

Camb. Boston. Concord

Ther Monday, April 16, 1917 Wea
First Hylas. Fine

Clear & cool with light westerly wind.
No frost last night.

First Crocuses - a dozen or more - in
bloom at Concord.

First Hylas peeping at Concord -
first or six of them, a far off to W. of home
at 7.30 P.M.

Garden birds - Cambridge. A Flicker shouting,
2 Robins on lawn; a Jay screaming;
2 or 3 House Sparrows.

Farm birds - Concord. 30+ Juncos in
orchard; Partridge flushed (Brick Field);
cock Pheasant crowing in Berry Par., here
flushed in Ritchie field.

To City Hall at 9 A.M. Scenic day.
Tried to see Ashmuns but they were away.
Back to Harvard Sq. Difer. 2nd at Chas. R.T. Co.
Got ticket Harvard Camp. Then to Boston
Office. Bought a lot of garden seeds at
Trotter's & Co's. Store crowded with purchases
Lunched at Marlboro's. Took 2.40 train to
Concord. Gilman met me at station. S.O.
Dexter there, also. Reached farm at 3.40.
Walked to Ritchie place & Brick Field.
Burton's ploughing in one corner of
meadow. The other not plowed yet.

Concord.

Ther Tuesday, April 17, 1917 Wea
58° max. Backward Spring. Perfect.

Brilliantly clear with light, cool,
variable winds mostly northerly.
Grass still only faintly green even in our
sheltered dooryard. Hepaticas in bloom
"Pussies" on willow at Ritchie place covered
with rich golden stamens & very handsome.
In most respects the present spring is
very like that of last year, advancing
slowly but steadily, yet much more backward
than for than average seasons because of
absence of any really warm days & uniform
presence of cool nights. Birds as well as
vegetation are thereby retarded. Some of
the earlier migrants, as Fox Sparrows &
Juncos seem to have mostly passed on northward.
The mid-April ones are nearly all late or
not here yet at all. Very few birds of any
kind in evidence to-day & those mostly
silent. A Robin and a Chonkadee only
once in full song. 2 silent Tree Sparrows.

Feeling a bit riled up by recent trip to
city I spent most of day in doors. Walked
to Brick Field with "Jimmy" in A.M. &
helped uncrowd Strawberry bed in P.M.
Frank Malin's horse & barn (up our road)
burned to ground early this morning.

Fish Crow. Osprey. Bittern. Concord

Ther Wednesday, April 18, 1917 Wea
56° Extraordinary outcry of Woodchucks. Stormy

Early morning sunny; after that fine rain falling almost ceaselessly from darkly overclouded sky. Little or no wind.

Not many small birds. 12+ Juncos, Bluebirds ♂♂, Phoebe ♂♀, Brown Creeper ♂, Fire hawk flying through Puffin R. woods below top of tree, perched by a Crow, looking (10 a.m.); Bittern pumping S. P. R., toward Great M. (heard from farm). 2 Robins singing at eve.

At 3 P.M. heard distant call of a Fish Crow. Two birds soon appeared flying high over Puffin R. woods directly towards where I stood in front of

Barn. Keeping straight on N. W. they passed directly over me & out of sight towards Carleton village. One kept silent, the other uttered short, monosyllabic call (perfectly characteristic of ospreys) at short regular intervals of about 5 seconds each as long as it was within hearing. Both looked small & as very very dark. They flapped incessantly & flew straight. I have no doubt they were Fish Crows.

At 5 P.M. an extraordinary & very startling outcry came to my ears from direction of Ritchie place as I was at foot of lane. It sounded like prolonged shrieks of human cry. I was greatly excited by it. I had just left George there having done much. The sound was probably & I expected that the sounds were made by 3 or 4 Woodchucks engaged in fighting in some heap just behind that at Ritchie place. The ran over there from barn & saw the animals close at hand.

Spent most of day in dark but took two woodland walks with Jimmy & father. Went to Cambridge. Took C. route Boston &

Concord. Hyla in full cry at last

Ther Thursday, April 19, 1917 Wea
64° max. Fine

Calm, foggy morn followed by cloudless day, the warmest thus far despite a light easterly wind in afternoon. Very many birds singing freely from 6 to 10 a.m. - Robins, Bluebirds, Grass Finches & Song Sparrows, Flickers etc. Their sweet voices came pleasantly from far & near through the mist-laden, windless air. Grouse (2 cocks) drumming for first time, one at foot of Run, another near Barn Spring.

At evening I heard the Bittern again afar off towards Great M. From that distance only a measured Toe; Toe; Toe reached my ears.

Shot a Gray Squirrel in top of elm over lane. Jimmy retrieved & then buried him.

First general chorus of Hyla voices - hundreds of them - before & after sunset. Wood Frogs still croaking freely. They have kept at it almost ceaselessly since April 4 - which is unusual.

Jimmy & I had three good walks, to Brook Field after breakfast, to Ketchikan pt. after luncheon, through Perry P. as sundown. Spent rest of day in house writing letters.

Bonnet

Ther Friday, April 20, 1917 Wea
Raining

Light rain falling almost ceaselessly.
Air windless mild but chilly.

Snow & ice wholly gone everywhere.

Grass very green in dooryard but still
brown in all mowing fields.

Hylas & Wood Frogs in full cry
last night, a few vocal to-day.

First noted Pine Warbler in white
pines east of Retchin place.

One Fox Sparrow & one Junco feeding on lawn.

Rusty Blackbird heard. No other north-
bound migrants. Local birds more

numerous. Grass Finches singing freely
also Robins - in evening twilight.

3 ♂♂ Cowbirds & a ♀ in close for
half hour or more the ♂♂ "showing"
by turns, in seeming friendly rivalry,
swallowing out their plumage uttering the
o-cak & whistling call, all perched
close together among topmost twigs of tree.

Jenny & I had two woodland walks.

We started a Rabbit & 2 Partridge.

2 ♀ Pheasants in ploughed field front of house.
Spent most of day in doors, writing letters.

Concord - Boston - Cambridge

Ther Saturday, April 21, 1917 Wea
Revised return Tangible prop. at City Hall. Dull

Cloudy, foggy, humid, windless.
threatening rain but none fell until after
dark when there were heavy showers.

Garden birds 2 Robins (1 ♂, a White-throat
Sparrow (♂ ♂, evidently self. Same bird here
this last winter), ♀ Downy, Flicker in
catalapas humming ceaselessly, Grackles & Jay
heard, also Crow. Only a few House Sparrows.

To Boston by 8.06 train from Concord. Sat
with Geo. Keyes in smoking car. Went straight
to our office. Dictated answer to State Tax
Comm. in re our enquiry from their office
regarding tax on Trustee Comm. & adding 5%.
To City Hall, Cambridge 10.45 A.M. Saw
all three Assessors two of them very intelligent
& courteous, third less so. Submitted another
return for one made on 9th increasing
amount of "tangible" taxable property to 6000.
Destroyed signatures of first ret. Shall keep it as memento.
Hair cut at Marks'. Home for solitary luncheon at 1.
Wrote cheques for bills in P.M. Dined at 7 with
C. & E. brother read "Pride & Prejudice" to C. & me
this eve.

Cambridge

Ther 70° Sunday, April 22, 1917 Wea Perfect
Fine chorus Robin voices

Brilliantly clear; perfectly windless for most part; warmest day of year thus far.

Vegetation advancing fast. Sarch & Parkman apple veiled in tender green young foliage by nightfall. Horn, chestnut & lilac buds bursting into leaf. Squirrels at best. Crows fast & wild. Grass intensely green.

Garden birds. Robins silent through day & only a single pair in sight but soon after sunset they began singing far & near, keeping it up until 7 P.M. At least 4 or 5 males could be heard at once from our open doors. Not for years have I listened to so full a chorus of their delightful voices in this neighborhood. A Thrasher shouting all day, in Catalpa by Museum mostly. John the singing loudly but crudely. Several Grackles on ground. Jay screaming, Crows cawing, Downy chicking. A few H. Sparrows. Wrote letters & read war news. Called on the Specterwoods in their garden at noon. C. walked with me in our garden in P.M. Miss Allyn at dinner. & read "Prejudice & Prejudice" this evening.

Cambridge - Concord

Ther 70° 60° Monday, April 23, 1917 Wea Fine

Clear & warm with light southerly wind.

Garden birds. 2 Robins ♀, Ruby Crown K. in lilacs, White-Thr. S. ♀, 2 Jays, 3 Grackles

Farm birds. House Wren ♂, Yellow Palm W. ♂, Yellow-rump & flying high, Chaffin 1 ♀, Robins 5 ♀ at sunset, Vesper Sp. 1 ♀, Juncos 2 ♀♀, Partridge 2 flushed, Belted 1 ♀, Pine Warbler ♂ in dairy and elm, Marsh Hawk ♀ flying S. low over orchard. Bluebirds ♂♀ on box.

Very early date for House Wren. Bird singing only a few times 1-4 P.M. I saw him fly to box front of house in which young were reared last year.

Spent forenoon in Museum & Garden. C. returned to Jamaica Plain to see Minnie. Walter dropped in to give me a reproduction of picture made down by Sophia Humeau. He had a year ago fr. Pat Flannery.

Starting at 11.45 Yelland & I returned to Concord. Spent P.M. working about farm & woodland with Timmy. He started a Rabbit & 2 Geese in Birch Field.

Concord

Ther Tuesday, April 24, 1917 Wea
Blood root in flower Fine

Clear & cool with light northerly wind.
 a fine day but with decided chill in air.

First noted, Hermit Hawk, bid calling
 in run at eve.; Barn Swallow, 1 flying
 N. at sunset; Can. Dove, 1 coming on Dallow's
 Hill at 6.45 P.M.

6 Flickers together in dooryard elm, 8 A.M.,
 bowing, scraping, shouting & tickling - a very
 unusual assembly. Scattering later they were
 about the orchard all day shouting faintly &
 also drumming on wall of barn & on tin roof
 places in tree trunks.

Perfect flock of Robins. Must have seen
 25 or more, 15 together in Ketchikan field.
 Singing everywhere at evening. Whistler local
 birds on march. Several migrants I am in doubt.

2 Brown Creepers near together (15 ft.) in
 Pulpit R. pine woods. 2 Yellow Robins & 2
 Pine Warblers there also.

Dove coming at 6.45 P.M. on Dallow's Hill
 8 A.M. March Hawk flying S.E. over orchard & P.M.
 ♀ Creepers Hawk showing house from house 11 A.M.
 6 Barn Swallows together about house all day.
 Jimmy & I walked to Ketchikan field & back 7.
 just after breakfast. The hawk has eight or ten
 legs shorter & is very lame in right leg.
 Spent most of day in house writing.
 Another walk about place & woods late P.M.

Concord

Ther Wednesday, April 25, 1917 Wea
 Fine

Clear & cool with light E. wind. Water in front by
 house skimmed with ice at sunrise (Ted Burdett)
 Crocuses past. Squills about at best. Goodberry
 bushes green with just unfolded leaves.

Wood Frogs & Hylas still in full cry after
 dark. Heard Garden Larks in Cambridge on
 23rd but none hereabouts as yet.

First Blue Butterflies to-day.

First noted, Solitary Vireo ♂

Jimmy & I took our morning walk to
 Birch Field & went over same ground just
 before sunset. On former occasion he
 traced a Gray Squirrel in tall Birch & I
 shot it with 22 cal rifle at fence shot.
 In Pulpit Rock pine woods & together were
 a Chickadee, Brown Creeper, Yellow Warbler,
 Pine Warbler, 2 Yellow Redpolls, Solitary
 Vireo. Field Sparrows singing in orchard.

12 Juncos in lawn. Hermit singing fitfully
 & fitfully in Birch Field at sunset.
 Another seen yesterday, showing & flitting on
 ahead of me through bushes.

Spent most of day in house oppressed
 by extreme latitude - temperature 9 late.
 Mrs. Malcom & 2 girls called at noon. Also
 Pat. Flannery - redoubt of bad whiskey

Concord - Bedford.

Ther Thursday, April 26, 1917 Wea
Dull

Early morn sunny. Rest of day dark
cloudy with intensely chill N.E.
wind. Scattered snow-flakes falling
at 8 a.m. and light rain after 4 P.M.

Motored to Bedford at 8.45, meeting
John Brown there by appointment. He
brought an experienced tree digger to help
get a lot of white cedars for me.
After seeing their owner, Mr. Proctor, in
dig about 100 of them from 2 to 8 ft.
tall. They are growing by thousands, big &
little, near a brush meadow at edge of
Bedford Swamp but in what was once
low lying farm land and is so still just
outside the confines of the colony. Proctor
has been sawing them for me but will
exterminate all of them this year for the
land they occupy is rich, deep loam.
Brown set out those we took, in P.M.
when I worked with Burbank transplanting
fall-bearing Strawberry plants.

Two birds seen or heard. The chickadee
must have declined more of them.

Sold two frogs weighing about 200 lbs
each, for \$70, to Davis of Concord.

Concord.

Ther Friday, April 27, 1917 Wea
Stormy.

Raining, sleeting, at times snowing, through
forenoon. Very heavy rain last night. Afternoon
cloudy with occasional gleams of weak sunshine.
Light easterly wind having icy chill.
Grass intensely green & growing fast.
Red maples & cherries in full bloom.
First "dandelion greens" served to-day.

First noted. Cedar bird - a lone, duller
plumaged one having no wax on wings &
but little yellow on tail. It spent fully an
hour in barberry bush, front of house, gleaming
only a few neglected berries therefrom.

Local birds mostly silent & not many seen.
Flock of 20+ Juncos flushed in meadow.
Crows very numerous, noisy & bold, coming
close about buildings - a dozen or more of
them presumably resident ones. Grouse
drumming in thicket all day. 3 Marsh hawks
flying over at 4 P.M.

Spent part of forenoon & all afternoon
setting out Strawberry plants 10 knots in
all. 8 of white corn from Allam at
Saulsbury Mts. early this month.

Concord

Ther Saturday, April 28, 1917 Wea
Fair

Partly cloudy, mostly sunny, with
high & cold northerly wind.

First noted 2 ad. White-throated Sparrows,
both exceptionally handsome birds, feeding
in garden plot front of house at 7 a.m.
Broad-wing Hawk ♂ ad. soaring rather high
over orchard 11 a.m. He showed white Tail some
conspicuously. Once, for about half a minute
he hung, as it were, suspended breasting
the strong wind without wing motion or the
least perceptible drift. This "wind-hooping"
is often performed by Arctic hawks & by our
Sparrow hawk but I do not remember to have
ever before seen any Buteo indulge in it.
No other birds of any especial interest
attracted my notice & very few sang
within my hearing.

Spent forenoon with Burbank & Gump
in Lawrence's pasture digging ground
junipers. We got about 40, some very
attractive ones, & planted them all in
P.M. along road through Cedar Park
& on slope behind orchard.

Concord

Ther Sunday, April 29, 1917 Wea
Dull.
Cock Partridge "tired"

Thin cloudy with light but piercingly chill
N. E. wind.

First noted. Minstrel varia, ♂, among low
brush by pond at edge of woods below orchard
in company with a Yellow-rump, a Phoebe &
2 Chickadees. A House Wren also heard singing
apparently in this same sheltered place.
Elsewhere our woods & orchards seemed almost
birdless. I saw a White-throated Sparrow
bathing in our bird bath & a ♀ Sapsucker in
are oak by roadside. A flock of a dozen
juncos feeding in millet patch. A
Flicker, several Robins, a Purple Finch
& a brood Sparrow almost only birds singing
freely.

A cock Partridge "tired" by "Jimmy" at edge of
Birch Field alighted on a dead oak branch where
I had spent some of time within 20 yds. He sat
absolutely motionless, very erect, with neck
upstretched, to surprising length & very slender,
head looking like a brimble bush with erect crest.
I could see no trace whatever of his legs.
An hour later I started him from the next tree.
Walked to Birch Field with "Jimmy" at
9 a.m. & spent time here there on late P.M.
clearing brush from paths. Then started Robins
spent much of day in hard working latter

Concord

Ther Monday, April 30, 1917 Wea
D.C. French visits me Dull

Another "gray day" very chilly with
keen N.E. wind.

Hy. has peeping numerously at evening.
Wood Frogs silent of late. No Garden Toads
heard here yet.

Loaches viled in tender green. Gooseberries
dwarf with young foliage. No fruit trees
have blossomed yet. Apple trees show no
signs of it. Vegetation generally much
retarded.

First noted. Ruby-Crowned Kinglet ♂ & ♀ top of tall
oaks Sleepy Hollow Cemetery; Brown Thrasher ♂ & ♀
near Cemetery, ♂ & ♀ Ritchie place.

Mrs. Melvin came for me by appointment at
9 a.m. We motored first to Sleepy Hollow to
plan for planting herubells & laurel, then
to Shady Hill nursery where we ordered a
supply of these evergreens at very high prices.
Home by noon, Dan French joined me at Farm
5 P.M. We strolled about in woods & fields
until nearly 7 P.M. Started 3 Partridges &
heard Dove cooing delightfully in Prescott pines.
Spent long evening in parlor talking carelessly,
mostly about war.

Concord

Ther Tuesday, May 1, 1917 Wea
40° max. Stormy

Raining, sleeting, even snowing, by turns
beneath a darkly lowering sky, with
an icy N.E. wind searching out every
remotest corner of field & road, so that
there was literally no comfort anywhere
out of doors. These conditions temporarily
banished practically all the birds. Scarcely
one could I see or hear in orchard
or woodland. A House Wren in early morn
& a Robin at eve were the only ones
heard singing. Taken altogether it
was a truly remarkable "May day".

Dan & I took a short walk after
breakfast. He left me at 10.45 to
go back to New York. Brown & I
came down to see our trees & worked
at it all the forenoon. Gilbert was
called to Cambridge because of his daughter
Mary's serious & sudden illness. He
departed just after luncheon. I wrote
letters & took a solitary walk with
"Timmy" in late P.M. The Barbours
came over to sup. & spent the night.
It is raining heavily now (10 P.M.)

Concord

Ther Wednesday, May 2, 1917 Wea
40°, 50° Dull.

Cloudy & chilly for most part but there were occasional gleams of warm sunshine & the strong N.W. wind was less harsh than the easterly wind of late. Vegetation nearly at a stand still. Our peas are up, however.

Bird life of almost every kind has been depressed if not banished by these untoward weather conditions. A pair of Robins, 6 or 8 juncos, a ♂ Downy, & a Yellow Throat Warbler were about all the birds to be seen or heard anywhere about the farm while the woodlands seemed everywhere quite lifeless. I heard only one bird song at sunset, that of a Robin. A House Wren & Thrasher sang in early morn. Crows abundant & vociferous in orchard & shade trees close to house. I am puzzled to account for this.

Jimmy & I went to Birch Field for forenoon & part of afternoon. In looking vainly for small game, I worked at cutting brush etc.

Concord

Ther Thursday, May 3, 1917 Wea
40°, 48° Fair

Light cloudy with brief intervals of sunshine. Moderate westerly wind. Air icy chilly through day, softening appreciably towards sunset.

Birds continue scarce. 8 Nuthatches in elms near house, 6 or 8 juncos in orchard, 3 Chipping Sparrows there, ♂ & ♀ Bluebird at nest box, Flicker skimming at Ratchet's place, Crows everywhere & very noisy. Robins silent until evening when they sang freely far & near. A Starling in full song in Birch Field at sunset, another chattering there. Full chorus of Hylas after dark.

The Phoebe's nest in our barn cellar has two eggs to-day. I have not seen or heard the birds near it for several days.

Jimmy & I spent an hour in forenoon & two hours in late afternoon rambling about in woodland at Birch Field & elsewhere. I cut a lot of brush. Then Mrs. Melvin called at 9 a.m. My two men ploughing & harrowing all day. Land nearly all ready to plant now.

29 Pheasants on wing.

Concord

Ther Friday, May 4, 1917

Wea

Extreme scarcity bird life

Perfect.

First altogether fine day since Apr. 25.
a rarely perfect one, cloudless, windless
comfortably warm. But clouds began to
gather & a chill easterly wind rose in late P.M.

First noted. Towhee ♂ & ♀ from house &
near hen yard. Scatting among dry leaves. with
half a dozen or more Peabody birds. Gulls
singing freely all day. Not many other
birds at home save Juncos 20 or more -
and very little singing. Flickers wholly
silent but one seen on lawn. Only
two or three Robins. 3 Tree Swallows. House
Wrens singing a little near box.

At Ball's Hill (2.3 P.M.) dead silence.
Not a single Red. wing or Song Sparrow even
seen or heard. 2 Yellow Rumps near cabin.
Sharp. thin Hawk & ♂ of Red-bellied near Barn.
A winter afternoon no more bird life than this.

At 11 A.M. a ♀ Pheasant followed by a cock
flew low over our flower garden at amazing
speed making a shrill whistling sound
of wings, as they passed over us.
Working all day with Brown & his men.
In forenoon we transplanted fruit trees &
flowering plants at home. In P.M. we got
22 houseplants & 8 lawns at Ball's Hill &
set them out in Back Field.

Concord Evening Grosbeak, Armoured Creeper.
Bittern in Berry Pasture

Ther

Saturday, May 5, 1917

Wea

40°

Stormy.

Heavy N.E. storm with cold, violent wind,
incessant rain, much sleet & some snow flakes.

Never before so far as I can remember have birds
of all kinds seemed so very scarce & silent at this
season as they were to-day. Only one Song
Sparrow - sang within my hearing. Near the
house I saw one Robin, a Chickadee & 6
hummers besides a few Crows; in woodland,
during two long walks, 4 Chickadees, 2 Brown
Creeper, 5 Yellow Palm Warblers. There were
literally all noted all day, except a Bittern
started from the brook in Berry Pasture (just
below pond) where I have never known one
to come before, & an unseen Song Sparrow
heard near north end of Green Field.

The Creepers, evidently a mated pair, slowly climbed
the trunk of a large white pine (Lawrence's woods)

keeping close together, fluttering their wings busily
like big beetles, one or both uttering incessantly
a shrill, wray teeing which I thought at first
must come from a Cedar bird. This I took to
be a courtship performance - quite new to me.

I heard the Grosbeak very plainly, a dozen
times or more but failed to catch sight of it.
It seemed to be flying southeast. It uttered
low, low, low, Sparrow-like call & the double
pee-pee Pinnate-like whistle.

Timothy & I had two good long walks
despite the simply atrocious weather. We
went to Green Field & Lawrence's woods in
forenoon (10.30 - 12.15) to Birch Field,
Ritchie place & Berry Pasture in P.M. (5-6)

Concord

Ther 40° all day. Snow storm Wea Stormy

Snowing heavily from 7-9 a.m. The air so thickly filled with large flakes that they obscured the landscape at all distances beyond 100 yds. but they did not at any time whiten the ground for every once melted as it struck. It was fascinating to watch them falling ceaselessly on the bright emerald green lawn, disappearing magically the instant they reached it. During the remainder of the day light rain fell. There must have been a heavy downpour last night for our little brooks are all overflowing & the river meadows are again under water.

Timmy & I had our customary forenoon & late afternoon woodland walks. He started a Rabbet & a Partridge. Very few small birds. Flock of 10 Yellow Rumps in Birch Field. Solitary Vireo heard singing & Minuteman seen near spring. At least 4 Robins, a Bluebird & 12 Red wings in fall song at sunset, the Red. winged chestnut in a tall oak behind our barn.

Spent most of day in house working. While out doing work a heavy snow & an overcast yet had to work hard to keep warm.

Concord

Ther Monday, May 7, 1917 Wea Fair

Thin cloudy with occasional brief periods of sunshine. Light, chill easterly breeze at times.

First noted. Dendroica virens ♂, Pulpit Rock.

Bird life only meagly represented still & very little bird music. Our House Wren sang a few times in early morn & a Field Sparrow at intervals, close to house, all day. At eve I heard a Peewee bird & several Robins. Also a Song Sp. in Berry Par. & a cock Pheasant. A Belted Kingfisher at sunset towards Bigelow Br. and another (probably ♀) flushed from margin of our ice pond whence she flew towards well house & dropped there. Woodland nearly birdless. One Pine Warbler, the D. virens, a Phoebe & a Chickadee were all I heard in Pulpit R. woods & Birch Field.

Hearing, at sunset, afar off towards Mr. Howes, a flock of Redwings singing I thought at first the sound came from Carr. Given its hoarse quality being unusually prominent at these distances.

Three walks with Timmy this forenoon woods. He had a glorious time during after breakfast one for I took the 20 g. gun along & shot first a pair of House Sparrows in bushes front of house, afterwards 2 Gray Squirrels (♂ ad.) at edge of run.

Spent remainder of day in house reading & writing (letters)

Concord

Ther 52° max. Tuesday, May 8, 1917 Wea Dull.

Thin cloudy with occasional wan sunlight & one brief shower. Light southerly wind. Cool but not chilly.

First noted. Greater Yellow legs rolling call heard in direction Birch field at 6.30 P.M.

Continued scarcity of local birds & no winter-borne migrants save 1 Peabody bird & the Yellow legs & one Myrtle Warbler. More of these were singing freely all day. Two Hermit Thrushes in full song at 6 a.m. somewhere to east of Green Field & two others calling near me at same time in Birch Field. One singing near Pulpit Rock, 6 P.M. Two Nuthatches singing on in Yew clump, other east of Green Field. 2 Phoebe's chirping. No Partridges seen or heard although Jimmy hunted every where for them. I fear he may have driven most of them from our woods. He & I were out after breakfast & again in late P.M. I spent most of day in house. Did a little gardening - with results.

Concord.

10 Ther 46°, 58° Wednesday, May 9, 1917 Wea Dull

Mostly cloudy until 5 P.M. after which bright sunshine. Heavy showers with distant thunders 3-4 P.M. Chill northerly wind all day. Vegetation advancing very slowly & far behind its usual status at this date. The only conspicuous green foliage is that of grass berries. Most other trees & shrubs show little or no signs of any. Barberries & rose hedges beginning to unfold tiny leaves. No fruit tree has opened a blossom yet but plum, peach & cherry buds ready to burst. Hylas still in full cry. Towhees silent thus far.

First noted. Sparrow hawk ♂ perched in dead top of oak where he swooped down to ground in flower bed. apparently securing lawn prey.

To Holden's Hill with Gump in forenoon. He cleared out first paths thru & dug & young cedar bushes. Brown Creeper singing among dead leaves. Scattered oaks, Red should Thrush screaming near old nest but it looked deserted. Spent afternoon working in flower garden rear of house. 2 Flickers, 2 Robins, a Ruby-crown Kinglet & a Peabody bird in full, frequent song. No signs anywhere to-day of any fresh or recent influx of bird migrants.

Ther 50° Thursday, May 10, 1917 Wea Dull.
 Long flock migrant Chippies.

Cloudy with strong, cold northerly wind.
 Several brief but brisk showers in P.M.
 Vegetation at a standstill. A few stalks
 of asparagus showing several days ago have
 not grown perceptibly since.

First noted: Least Flycatcher, silent bird,
 in shrubbery bordering on lane. Purple Martin
 heard near Apple Hill.

Shortly after 8 a.m. I flushed at least 25
 Chippies in our orchard. They flew up all at
 once from recently ploughed ground beneath an
 apple tree. Never have I seen so many together before
 in spring. Must have come fr. S. last night.

George & I spent forenoon in Prescott farm woods
 clearing path around N. end Davis Swamp. Solitary
 Vireo & Ruby Crowned K. singing there. Birds mostly
 silent at wind swept farm. However, when I sang
 & 2 Flickers shouted, early morn. Bluebirds
 warbling at sunset. Robins wholly silent.
 Jimmy starts no Partridges now.

Duffin came down to luncheon. After is con-
 sat by fire until 4 P.M., talking over was etc.
 Prof. Norton called later staying half an hour.

Ther 40°, 60 Friday, May 11, 1917 Wea Dull

Still another harsh, gloomy, senseless day
 decidedly colder than yesterday, with high N.W.
 wind. Motoring to town in early P.M. I
 was chilled through although wearing two heavy
 overcoats & also protected by a fur robe. The
 landscape wears a dreary aspect more
 suggestive of mid April than of the present
 date. Forsythia has straggled into bloom
 at last. Squills & daffodils at best. No
 fruit blossoms yet.

Bird life but little in evidence either
 to sight or hearing. Only birds heard singing
 were 2 Flickers, 2 Peewee birds, a Solitary Vireo
 & a Ruby Crowned Kinglet. Single Junco &
 Downy W. in lane. Partridge started near Spring.
 2 Starlings in meadow off Mr. How's house.
 Crows unprecedently numerous, noisy & bold
 in this neighborhood. Six or eight of them close
 about buildings all day alighting in backyard
 elms & feeding freely in front yard. Burbank
 says they first appeared when he spread his
 cat bowls of horse manure on our fence.

Spent forenoon with George in Prescott farm
 taking & brushing out foot paths there.
 Returned to C. at 1.45 to dinner to my
 target. Lay return before Charles Richardson.

Concord

Ther

Saturday, May 12, 1917

Wea
Dull

Brilliant sunshine from cloudless sky up to 8 A.M.
Remainder of day a duplicate of yesterday as regards cloudiness but with much more rain & one prolonged shower of hail while the air was even chillier & the northerly wind became less strong & piercing.

These conditions operated of course to silence & depress the birds. One House Wren, a Ruby-crowned, 2 Veery Sparrows, a Pine Warb. & a Brown Thrasher sang a little in early morn. At evening (6.45) a Hermit was singing in Beech Field & 2 Robins close about our house. No new comings of any kind noted.

Spent most of forenoon on pine clad slope bordering road to Benson's where I am planning a foot path leading to the most attractive spots & outlooks. Timmy went with me of course. He started a collecting cock Pheasant among young ferns but failed to find any Partridges. Evidently they have well nigh deserted our woods of late, perhaps because of Timmy's frequent presence there. Still no sound of Garden Lark voices. What can have become of these?

Concord

Ther
50°

Sunday, May 13, 1917

Wea
Stormy

Raining almost all day, at times heavily, shower following shower at brief intervals. Light but chill northerly wind. Sun shining only for a few minutes just before its setting and then gloriously through a gap in black clouds.

Continued scarcity and general silence of birds with no new arrivals when the migrant hosts should be coming nightly but for the extraordinarily unfavorable weather. Near our house the Wren sang in early morn, a Robin & a White-throated Sparrow (the latter as loud & clear as I ever heard one further N.) at sunset. A Grass Finch & Meadow Lark singing in Haver field at 10 A.M. Deaf silence throughout our woodland 10.11 A.M. & 6-6.30 P.M. Could find no birds there save near Pulpit Rock where 3 Chickadees, 2 Ruby-crowns & 2 Hermits were together in thick brush in a sheltered hollow.

Spent most of day in house writing letters. Morning & evening walk with Timmy. He started something unusual in Beech Field at 6 P.M. & chased it with frantic yelping until his voice failed in distress. Perhaps it was a Fox. He has never before gone so far among fawns in the woods.

Concord

Ther Monday, May 14, 1917 Wea
64° max. First Trilling Garden Larks. Fine

Brilliantly clear with warm sunshine & no more than agreeably cool wind altho. it blew strong from N. W. First really fine & altogether sunny day since May 4. Strange to say it brought no new birds nor even those already here at all numerous or disposed to sing freely. Indeed I heard in full song only one Wren, a Chaffy, and a White-throated Sparrow. The Robins did not sing at all even after sunset. I see only 4 to 6 about the place now.

Garden Larks began trilling far & near this evening, one in pond in dooryard. Never before have I known them so late. There was also a rising old-time chorus of Hylas after dark.

Saw a handsome adult White-throated Sp. enter a coop in which hen was sitting & feed from her dish of cracked corn scattering it about. Coop 3' x 2' tightly roofed & boarded with entrance hole in one side.

Phoebe's nest in bare cellar freshly lined with mud & empty. What has become of 2 eggs it held on May 3? Were they last year's ones? One Schenck bird in dooryard to-day.

Spent most of day working in flower garden behind house. Did not get into woods until after sunset. No birds of any kind singing then.

Concord

Ther Tuesday, May 15, 1917 Wea
Duck Hawk Fine

Brilliantly clear with violent N. W. wind so icy chill that I had to wear a heavy winter overcoat all day even when walking fast in sheltered woods or working hard in the garden.

Almost no birds to be seen or heard. A Nuthatch, a Song Sparrow, a House Wren & a Least Flycatcher sang a few times in early morning. Dead silence through day & also towards evening when even the Hylas made no sound. The Towhee, Song Sparrow & several White-throated Sparrows visited our lawn to eat millet seed put out for them there. One shivering looking Robin on Blue Bird & a pair of Thrushes were literally all the other small birds seen about the place.

A ♂ Duck Hawk flying low N. E. at meteoric speed, passing his long wings gracefully, passed the house at 10 a. m.

Spent most of day working in flower garden behind house with Gulp. We are preparing to plant vegetables there. Walked to Birch Field with Jim at evening.

Hard frost last night
First dandelion, peach & plum blossoms.
Ther Wednesday, May 16, 1917 Wea
Severe migrants arrive Fine

Brilliantly clear with brisk violent N.W. wind,
dying away at sunset, however. Very cold
last night. Ice $\frac{1}{4}$ in thick in pans left out.

First Nashville Warblers (2 in Run) & Downy Woodpecker
(1 at Pulpit Rock, another giving flight song
at eve. in Berry Par.).

Fresh arrival Black thr. Green Warblers, 3 ♂ & ♀
12 females. Throated Sparrows spent entire day
eating millet on lawn front of house.

Partridge drumming on wall paper of room, 4.30 P.M.

3 Cock Thrushes crowing at sunset.

Heard 25-Browed Grackles alighted in tops
of oak by roadside, rear of house, 8 A.M.

Scarcely any birds singing near house. Heard
only one Robin at sunset. Thrasher in

full song, House Wren, 6.30 P.M.

No Swallows appeared about house.

They are evidently very scarce this spring.

I miss their presence badly.

Spent most of day working with
George close about house. We spaded flower
beds & cut lawn. Walked to Birch Field with

Trinity at 8 A.M. & 6.30 P.M.

Two Chardalains in flower. A few peach
& plum blossoms. First appearance to night.

Concord.

Ther Thursday, May 17, 1917 Wea
May migrants coming at last. Fine

Brilliantly clear. Early morn. calm. Chill N.
wind through forenoon. Afternoon warmer with
light westerly breeze.

First Prairie Warbler ♂ & ♀ Cedar Park, 8 A.M.

Rose-breasted Grosbeak ♂ & ♀ 7. Orchard

Heavy Jays, evidently new comers. Birch Field.

No marked increase in local res. birds.

Brown Thrasher singing gloriously in bushes
front of house 7-8 A.M. & 12-1 P.M.

He was on lawn, making short, quick,

Robin-like runs hither & thither, seemingly

securing much food just as the Robins do.

2 Bats in shed loft.

At 10 o'clock last night Gilbert & I heard strange
sounds coming from direction of big elm by
roadside. I went out to listen to them, but
was quite at a loss then to identify them.

Series of 5 or 6 low, soft, rolling notes then
suggested those of megascops yet some not quite
like the former ones. There were also several
rushing sounds like grating of teeth on a
coarse file on metal. All this went on
for 10 min. or more & finished up slowly.
This morning George found under the elm
a newly dead young Screech Owl as large as a
Blackbird & covered with white down.

Spent most of day working in garden.
Walked to Birch Field with Trinity 8 A.M. & 6.30 P.M.
Horton came at 10.30 & stayed under water.

Concord

Ther 75° max. Friday, May 18, 1917 Wea Fair
 75° max. Second flight. May migrants.

Forenoon sunny but hazy; afternoon overcast.
 Light S. W. wind. Warmest day thus far this year.
 Vegetation advancing rapidly. Forsythia in
 fullest bloom. May tulips do. Plum trees do.
 A few cherry blossoms. Apple, birch & other
 trees green with unfolding tiny leaves.

First Blackburnian Warbler (♂ & ♀. Pulpit R. woods)
 Bobolinks (5-8 in roadside oak; one ♀.) Oriole (♂ & ♀
 in oak grove), Hummingbirds ♂ & ♀ at tulips front of house
 Chipping Swift (1 flying high 11 a.m.)

Nashville & Bell's Tree Sparrows singing in
 many places. Down birds in increased numbers,
 also. Only one White Thr. Sp. & one Junco.

(Bobolink & Oriole noted at C. of Concord, May 15)

The flight of incoming migrants to-day, like that
 of yesterday, was apparently not a very heavy
 one. There should be a grand rush of them
 to-morrow for every condition favors it.

Spent most of day working in flower
 garden with George. Walked to Brook F.
 with Timmy at 8 a.m. & 6.30 P.M.

Found a second young Sarah Oriole lying
 dead beneath big elm at 7 a.m. What can
 have caused this. Neither bird shows mark of injury.

Concord

Ther 76° max. Saturday, May 19, 1917 Wea Fine
 76° max. Heavy influx Warblers.
 Cloudless & very warm with light southerly wind
 and frequent intervals of calm air.

Vegetation leaping ahead at top speed. Every house
 brought near or less marked change. Cherry trees
 & shade bush in full bloom by sunset. Tulips
 almost at best. Many trees leafing out fast.
 Grand chorus Toads & Hylas at & after sunset.

First Vireo, Cat bird, House W., Yellow W.,
 Black-thr. Blue (2, ♂♂), Magnolia (5, ♂♂ /
 Chestnut side (2, ♂♂), Maryland Yellow Th. (2, ♂♂ & ♀)
 Red eye Vireo (2), Yellow-thr. V. (♂ & ♀), Green Swallows,
 Besides these there were various others noted
 before to-day but now present in much
 greater numbers. It was, indeed, an influx
 of very considerable magnitude especially
 as regards Warblers. These were mostly
 in Cedar Park, in the sun & in Birch Field,
 scattered about everywhere as is their
 wont during such warm calm weather.
 There was also a really heavy flight
 of Peewee birds, mostly dull colored ones.
 A Ruby-crown Kinglet in Birch Field
 had a nearly perfect song to which I
 listened long.
 To Brook F. with Tim. at 8-9 a.m.
 Planted trees & shrubs, generally & carried back
 the Darlings called in late P.M.

First Gypsy Larvae hatching

Concord

Ther
80°

Sunday, May 20, 1917

Moderate flight incoming migrants

Wea
Perfect.

Summer-like day, cloudless with strong, oppressively warm S.W. wind.

Everything bursting into leaf or blossom. Entire aspect of country changing appreciably from hour to hour. Cherry & peach trees in full bloom & many forest trees draped in tender green young foliage, before sunset. Warm air filled ceaselessly from dawn to dark with bird music & the trilling of loach voices from every part of sheltered water. Peach orchard wonderful to behold in late P.M. with low, westering sun streaming through the bowers of rose pink blossoms. Altogether a rare day of days, good to live through on earth.

First Bay-breeze Warbler (♂), Tanager (Silver ♂ in plum orchard), Crested Flycatcher (calling near Pulpit Rock. Dexter reports Tennessee W. ♂, near his house, Concord.

Not much change in other species, already noted before this. I am surprised no more birds came last night. There been scattered widely but to be seen or heard any where.

Walked to Birch P. with Tim. at 9 a.m., through Barry Pasture & Cedar Park just before sundown.

A. J. Pierce came up in forenoon to plan for spraying. Gypsy larvae hatching everywhere to-day.

Concord

Ther

Monday, May 21, 1917

Mon. Warblers arrive.

Wea
Perfect.

Brilliantly clear with light, cool but not chilly, N.W. wind. Vegetation advancing steadily if not rapidly. Some apple blossoms about to burst.

First Cape May Warbler (♂), Canada W. (♂), Redstarts (♂).

Found an interesting mixed flock of migrant Warblers assembled at 8.30 a.m. near Pulpit Rock where, sheltered from the cool northerly wind, they were flitting low in trees & bushes about the edges of a sunny opening bordering on a pool of water. They were very tame & permitted me to watch them long at close ranges, behaving, indeed, as Warblers used to in the days of my youth but seldom do now it seems. The flock included 2 or 3 Bay-breeze, a Canada W., a ♂ Redstart, several Blackburnians & an uncertain number of Chestnut-sided, D. virens, Nashville, a Magnolia Black-thr. Blue etc. There never have been 30 or more in all. Others scattered about in white pine woods on higher ground. Then I came upon a pair of Cape May's the ♂ a perfect beauty with almost coal black crown. They were in a small pine by the path where I watched them many moments. They kept up a low chattering but the ♂ did not sing. 10 or more Chestnut-sided & Maryland on North side of river. A Maryland flock against the pine woods early this morn. 3 Herons in blossom peach trees in late P.M. Dexter came to dinner. After it we went to Pulpit R. & Birch P. just. Saw a good many Warblers but nothing new.

Jays systematically nest hunting Concord

Ther Tuesday, May 22, 1917 Wea

Jays Broad-wing Hawk Stormy
Early morn calm cloudy & misty. Chill N.E. &
wind rose later bringing light rain, falling all day.
Vegetation again at stand. Still. Peach orchards
blossoms of exquisite beauty.

First Wood Thrush (♂) close behind house
7.30 - 7.45 a.m.), King birds (2 at Cedar Park
1 in Bird Field).

Only a few Warblers. Those here yesterday
all gone. So, alas, were Humming birds.

Wood Thrush a mediocre singer but good to
hear. Wonder if it were same bird that has
found us such brief annual visits during

several former years, at this season.

During my morning walk with Tenny I
came upon ♀ Broad-wing Hawk perched on
dead branch of pitch pine near Pulpit R.

Standing fully exposed to view & within 30
yards I watched her several minutes. When
I tried to approach nearer she merely flew
to next tree & I left her there. She was
immature with grayish white under parts
almost devoid of markings & plum faded
brown upper parts. A gentle, friendly
bird the second.

A Robin began birding in shed this morn.
on top of wood pile where one nested in '915.
Jays searching every where there. Reached &
along road edges for nests, uttering their
chattering calls. Made several Robin eggs on ground.
Spent most of day transplanting
flowering plants near house.

Concord Young Cotton-tail Rabbit on lawn.

Ther Wednesday, May 23, 1917 Wea

Continued Warbler flight Stormy

Dark cloudy with dense mist & fine rain
by turns. Bright, cool easterly breeze dying away
at times. Heavy thunder showers about 4 a.m.

Everything water soaked & brooks running full
again. Peach & plum & cherry trees still in fullest
bloom & very beautiful to behold.

First Black poll W. (♂ in apple orchard)

" Swainson's Thrush, 2 calling in Birch F. 9 a.m.

Large flock of Warblers scattered through
Pulpit Rock woods & Bird Field with a few
in apple orchard; mostly House Warblers &
Magnolias with Bay-Breasts, Blackburnians,
Black-throat Greens less numerous.

A Hermit Thrush & Wood Thrush in full song
not far apart in Bird Field & near Pulpit R.
at 9 a.m., whom I also heard 2 Olive backs
calling. The Hermit singing again in P.M.
& a Dove cooing towards sunset.

Very many birds singing freely through
entire day. Orioles, Cat birds, Thrushes etc.

A young Cotton-tail Rabbit scares bigger
than a Robin frothing about near bird bath
yesterday morning & this. We had one there last year
Hunted to Bird Field with Tenny
at 8.30-9.30 a.m. & 2-3 P.M., spent
most of day transplanting flowering plants
close about house.

First apple blossoms.
Sagittae, fish-bone must rail? 1 house. Concord

Ther Thursday, May 24, 1917 Wea

Many mig. Warblers. Song of one new to me - Fair
2. Whether chatters in rain at Davis Hill.

Forenoon sunny; afternoon cloudy. Strong H. wind.

A few apple blossoms open by late P.M.

Immense, fish-bone must rail (?) house in Holden

M. near S. end Davis Hill. It is 5 ft. high & as wide
at base. Top is evenly on every side to pointed apex
large hole in its sides covered with green grass &
8 are all the trees glass at 60 gds. Water in ponds
about it. What can have built such a thing at this season?

First Wilson's Blue. cap (♀ B.H.) & Green Heron.

2 Whether chatters in rain at Davis Hill. In

chill muf. pl. White warblers on Charles hill
like those of island in crescent shaped Walden
but birds long then. glass at 60 gds.

Spent most of forenoon (9-12) rambling with

Timmy to Ball's Hill via Davis Hill & back
via Holden Hill. Shot a Gray Squirrel in Davis Hill

Warblers in great numbers & variety

Scattered among oaks & accumulated in small
flocks in sheltered places especially at

Davis Hill & Swamp. Only a few at B.H.

2 Bay. Thrush, 1 Black Thr. Blue, birds of

Usna, Chestnut-sided, Downy Woodpecker & Minolletas

D. virens. In dense white fern woods by

Glacial Hollow, Pine Hill, heard a wholly

unfamiliar song loudly. Warblers, repeated

many times close at hand, it sounded

like whit-te-whit, whit, te-whit-te-dee.

It was loud & rapid, ending with a long loud

Id. Thrush song. I could see only a Bay Thrush,

a D. virens, a D. carolinensis & (singing) wood

song / a Redstart & 2 Downy Ws.

Took a short walk at eve through

Cedar Park & Berry Post.

Blue Jays screaming every where to day.

Almost as noisy as one can see in fall.

Very noisy. Evidently 4, hawking

Concord, Cambridge, Boston.

Ther Friday, May 25, 1917 Wea
40° min 52° max. Fair

Partly cloudy, mostly sunny with strong
cold northerly wind and occasional showers
but brisk showers of big rain drops.

Garden birds. 2 Robins, House W.,
Oven bird, Redstart (in 9 pl.), Flicker,
2 Grackles (on lawn).

Gilbert put me on 8.06 train at Concord
& met it at Arlington where we motored
to Cambridge where I spent most of
forenoon with Percy looking over things in
Garden & planning to restore the badly
washed driveway and to plough up parts
of lawn for potato planting. Went in
town at noon & was at office for two
hours, lunching at Louisa's with Arthur &
J. talked with Gallen & Darling. Submitted
for \$1000 Liberty bond from E. S. S.

Returned to Concord by 2.40 Express.

Soon after reaching Farm had a call from
Mr. & Mrs. Robbins, Walter Fay & Norton.
who had been to Ball's Hill & seen an
extraordinary Mustard (?) house there.

Seeing talker to Cambridge this morning.
The farm house seems desolate without him

Warbler Day. Concord.
a few apple trees in nearly full bloom at last
Ther Saturday, May 26, 1917 Wea
Bay. breeze & Tennessee Warblers. Fine

Brilliantly clear with strong cool westerly wind.

First Indigo Bird (♂), Whippoorwill (♂ at m.)
Yellow-bellied Flycatcher (1 calling, Birch T.)

Wood Pewee (1 in Br., Dexter Bros.)

Spent entire forenoon rambling, gun in hand,
through woodland stretching fr. Fair to Davis Hill.
Shot a Blue Jay & missed 2 Crows (one perched near
nest). Heard a Hawk of some kind crying cree-cree-cree
in shrill, feeble tones near nest in Pines.
Warblers scattered everywhere in sheltered, sunny
spots. 2 Bay. Breasts (♂♂), 2 Canadian (♂♂) & 2 or 3
Magnolias. Others of various common kinds.

Levin & Smith Dexter came down to dine with me
at 4.30 P.M. on all route to Birch Field. & had
a wonderful experience there with migrant Warblers.
At first there were apparently only a few scattered ones
but they kept increasing until the entire wooded
area of pines & birches seemed alive with them.

May-breasted & Tennessee Warblers outnumbered all
other kinds. Of former I counted 10 ♂♂ together &
must have seen 20 in all; of latter I saw 5
together in one bush, 3 in another place, 2 in a
third place, probably enough near scattering
single ones to equal 20 birds in all. Not
one of either species sang once. Besides these
we saw Magnolia, Black-burnian, Nashville,
Blue-throated Green, House Warblers in
less numbers, a Redstart & 2 Yellow Warblers.
Heard a Yellow-bellied Flycatcher near at hand
in dense young pines, 2 Swainson's Thrushes seen.
Most of the Warblers only taken but collected.
They fed chiefly in gray birches.

At 7.43 P.M. heard a Whippoorwill N.W.
of house & saw a Woodcock fly low over
flower garden, across road, into Berry Pasture.

Concord. 5 Cape May Warblers. 3 Golden-cings
one of which was app. H. lutescens.
Ther Sunday, May 27, 1917 Wea
Stormy

Dark cloudy & more or less foggy with light, cool
easterly wind & incessant fine rain.

Short walk after breakfast. Tennessee Warbler ♂ & ♀
2 ad ♂ Rustlers & ♂ & ♀ House W., near Pulpit Rock.
Black-necked Thrush in Cedar Park. These all the
north-bound migrants seen or heard. None at all
in Birch Field & none anywhere near our home
through day. Spent most of it in house,
writing letters.

Started off again at 5.30 P.M. Walked up
road past fields in which 3 Bobolinks were
singing & turned into lane leading to Mason's
back pasture where I found hundreds of very
beautiful young red cedars & much ground
juniper. Heard there in field song a Veery,
a Field Sparrow, 3 Thrushes, 3 Towhees.
A Hermit singing gloriously further westward.
2 Swainson's Thrushes calling.

Norton reports by tel. this eve. that he &
the Robbinses have had a remarkable bird day.

They found 4 Cape May Warblers in Cedars at
Sted Buttrick's place & another near Jones house;

3 Golden-cings Warblers (one app. lutescens)
& a Wood Thrush in E. St. Albans woods.
They also found 7 or 8 Bay. Breasts.

Concord

Ther Monday, May 28, 1917 Wea
40°. North-bound Warblers in swarms Dull.

Cloudy with chill easterly wind and frequent showers of fine rain.

Vegetation again at standstill. Scarcely any apple trees yet in bloom. Peach trees still pink with unopened blossoms. Lawn thickly spangled with golden dandelions. Shad. bush in full bloom still. Scarcely now three weeks late. Fir trees mostly leafless.

Spent entire forenoon sauntering slowly thro the Run, Birch Field, Persimmon & Lawrence's woods, watching & admiring Warblers scattered every where. Tennessees most numerous. Counted 15 & doubtless saw under.

1 or 2 Bay. Breasts, all ♂♂, 6 ♂♂ Black Thr. Blues & 3 or 4 ♀♀ (3 ♂♂ & a ♀ together on ground in pine woods) Several Yellow Warblers, Magnolias & Black-burnians, Chestnut-sided, Nashville, Redstarts etc. It was a truly remarkable & rather bewildering show which I enjoyed much keenly.

Mr. & Mrs. Robbins & Mr. Norton came down to see me at 2 P.M. We talked for an hour & then went to Birch Field in the car. Only a few birds there of the many present in A.M. Yellow-bellied Flycatcher in tops of birches, very common. Came back via Beacon Hill. Big flock of Towhees too restless to count. Mostly Tennessees on Cherry.

Concord

Ther Tuesday, May 29, 1917 Wea
North-bound Warblers still swarming Dull

Dark cloudy & misty with chill N.E. wind. Light rain at times. Heavy rain fall all last night. Streams swollen, surface water in fields. Vegetation making no obvious advance.

Spent forenoon with Burdick transplanting Strawberry & other plants including grape vines! To Birch Field at 3 P.M. Big mixed flock of Warblers there, mostly Tennessees of which I counted 14 as they flitted one after another across an opening. Several of them ♀♀. All restless & very shy permitting no close approach. They uttered their sharp, high-pitched chirps every now & then but not one song. Heard a ♂ in full song in pine woods. Those in Birch Field feeding mostly in birches. With or near them various other Warblers, one ♂ Bay. Breast, a Black Jack, 2 ♂ Blackburnians, one ♂ Black Thr. Blue, sev. D. Varies, ♂♂♀♀ Magnolias, sev. Union W. both sexes, ♂♀ Nashville, 4 Chestnut-sided, 1 Myrtle, several Downy Woodpecker & Minstrels.

Only a few birds near house. one ♂ Magnolia & 2 Peewee birds only north-bound seen. Robin on 4 eggs in shot. another on 6th nest. Raven pairs making great racket near Owl's nest in elm at evening.

Tennessee Warblers mostly gone. Concord

Mrs. Burbank operated on for appendicitis.

Ther Wednesday, May 30, 1917 Wea
Cape May W. Mysterious sound in woods. Fair

Thin cloudy with occasional sunshine. Very cool
with light northerly to easterly wind.

Peach blossoms falling. Two apple trees in nearly
full bloom along with Bushy Buds & visited by several
Hummingbirds but not by any Honey Bees that I could see.

Spent entire forenoon rambling, 20 p.m. in hand,
through woodland between Farm & Deer Swamp.

Very many Warblers scattered everywhere &
mostly silent. Tennessee so nearly gone that only 3
were seen or heard. Black-thr. Blue still here
& self seen birds in same places as on 2 & 5.

One Bay-breast (♂), Blackpoll (♂), Sw. Kingbird,
4 dull ♀ Myiopsitta, 2 Black-bellied, ♂ Nashville,
2 Cardinals, 1 Allen Humbird, 2 Downys, 6 Vireos.

White winged Crossbill calling in Cedar Park evidently
perched but unseen.

Near Pulpit Rock heard horn which sounded like
bugging of Horned Lark from heavily thickened mist heavy
yards distant but could see nothing there.

Short two Gray Squirrels in woods & two
Chaparrals in dooryard. The latter were
digging & eating crows' eggs.

Spent most of P.M. gardening. Just before
5 P.M. saw a rather dull-pl. ♂ Cape May
Warbler in blue. Cherry tree at end of house.

Harry & Allen Marshall called at 5.30.

I took them to Birch Field. The
advised me to grow them & keep a
Goshawk hanging nearby near Pulpit Rock.

Concord Spraying begun.

Ther Thursday, May 31, 1917 Wea
Perfect.

Cloudless & almost windless through most of day
but easterly wind rising & sky overcast at sunset.

Warm in sun, just comfortably cool in shade.

A dozen or more apple trees in full bloom, two
or three shedding a few petals, many still in bud.
Peach & Cherry tree blossoms falling fast.

First Night hawk, unseen, perching at sunset,
apparently on wing over Cedar Park.

I did not get into woods until sunset &
there found almost no birds there. The usual
summer residents of here were well represented
about Farm & singing freely all day. Only a
few North-bound migrants in orchard. There

included a ♂ Tennessee in full song, a ♀
Cape May at 9 A.M. in same blue. bird cherry
at E. end of house when I saw the ♂ last evening.

There was also a ♀ House Warbler & several
Hummers spent among apple blossoms & laburns.

Dexter reports Tennessee Warblers as numerous
as ever at Concord this morning. He had 15
in sight there at one time & saw 9
Cape May (♂♂) in a barberry bush at S.W.
base of Nashawtuck Hill.

Spent forenoon with Burbank spraying
cherry orchard & shrubbery along lawn.
P.M. with Gray weeding Strawberry bed etc.

Concord

Ther
80°

Sunday, June 3, 1917

Wea
Fair

Partly sunny, mostly cloudy. Warm & humid.
Short but heavy thunder showers in late P.M.

First Black-billed Cuckoo - coming - near barn.

4 Black Jack Warblers (1 ♂ 3 ♀♀) together in elm behind barn, a ♂ House near them and a White-throated Sparrow singing not far off were the only north-bound migrants seen or heard. Evidently all but the rear guard of their wondrous flight this year has now passed by.

A young bat-tail Robin just out of nest but able to fly a few yards (in grass near barn).

Local birds settling for the summer. They seem less numerous than usual.

I shot the Meadow Wren in my wild fence bed this morning, having previously baited him there with corn. Another young Blue Squirrel jumping about the house but him I spared.

Gilbert invited me to Carlish after breakfast. Spent half an hour there talking with Duran about spraying etc. Big colony of housewrens in his barn - more than ever before, he thinks.

Writing letters most of day. Several short strolls about Farm, Cedar Park & Run.

Concord

First Buttercups & Ladies' Slippers.

Ther
80°

Monday, June 4, 1917

Wea
Perfect

Cloudless, almost windless after 10 a.m., very warm but not humid. Altogether a perfect June day.

Many Ladies' Slippers & a few Buttercups out.

Apple Bloom past its prime & petals falling in showers, with every breath of wind, from some trees.

Leaves unfolding fast & most forest trees already budged in tender green. Every where an exhilarating mood to gaze upon especially just before sunset when the air was perfectly calm & full of bird music & the sunlight sending level beams of golden light along the road roads.

But the Gypsy Larvae were out in myriads & threatening to ruin every thing we love.

First Wood Pewee & Indigo, both singing at sunset.

Only three north-bound migrants noted, a Magnolia Warbler ♂ near Pulpit Rock (6.30 P.M.) a Peabody Bird ♂ at 8 near barn, a Night Hawk circling high & purring at 3 P.M.

Very singing in Run & Heron in Bird Field, at 6.40 P.M.

Spent most of day pruning fruit trees & running lawn mower. Had a delightful walk to Bird Field just before sunset.

Concord

Ther Tuesday, June 5, 1917 Wea
Fair

Sunny but hazy & mostly cloudy after 4 P.M. with distant thunder. Warm & humid. Strong S.W. wind.

Vegetation hurrying forward. Forest trees, including oaks, becoming dense with gray green foliage & thickly clustering blossoms. Apple blossoms still persisting on many trees. White lilacs coming into blossom. Darwin tulips at very best. A few Mosquitoes in woods. Elm leaf Beetles appearing under leaves.

First Yellow-billed Cuckoos coming in Farm orchard

" Alder Flycatcher calling high, P.M., in bushes on hillside between barn & cow pasture. North bound House Wren & Tennessee singing in trees over road. Ad. ♂ Peabody bird in song near barn. First Insect whistling Rob. White almost all forenoon, somewhere towards Pleasant place.

Spaying with Burbank 9-11 A.M. & 3-5 P.M. We did the fruit trees in front of house & shrubbery along road roads to Birch Field.

Gilbert Moten to Cambridge at 8 A.M. to take C. into Boston to see Dr. Channing.

Concord

Ther Wednesday, June 6, 1917 Wea
Perfect

Cloudless with light easterly & southerly breezes. Very warm.

Many forest trees including red & black oaks in nearly full summer foliage. Apple orchards dense with dark green leaves & shedding their last blossoms. First flowers showing on Japanese Vines. Plenty of buttercups & chandelains still at their very best.

A Tennessee Warbler & an House Wren, both in full song near house. No other north-bound migrants. Local-birding birds apparently all here & settled in summer haunts.

They seemed more numerous to-day than yesterday. Among them a Wood Pewee who sang delightfully all day long in the large trees near house. Equally near & vocal were two E. Indigo Birds & a Maryland Yellowthroat who seems to be making his summer home in our Forsythia bush. A Insect whistling at sunset in Cherry Pasture. Cat birds all over the place.

Spent forenoon working flower beds. Grop & I spayed fruit trees in P.M. (three hours of it) Mrs. Burbank returned from hospital at 3.30.

Concord

Ther Thursday, June 7, 1917 Wea
Dear tracks Stormy

Dark cloudy with cool N.E. wind and
intermittent rain which began sometime
last night. Short sharp thunder showers at noon.

North-bound migrants. Tennessee Warbler ♂ & ♀,
Bay-breast W. 1 ♂ & ♀ near barn, Cape May 1 ♂ in Run,
Black-poll W. 2 ♂ & ♀, House W. ♂ & ♀, all

these singing freely through day, keeping together
& drifting back & forth from oaks & elms
near the house to the lower, denser growths
in the run.

Local birds much as for several days past
but the Wood Pewee missing or silent & a
♂ Yellow Warbler present & singing out near
of house. A pair of Maryland Yellow-throats,
evidently settled to breed, in Flossy's thicket bushes
where the ♂ sings his witchery - witchery, witchery,
with tireless persistence.

Veris very scarce. Only two, a Solitary & a
Red-eye, to be heard from our house.

Dexter has noted only one Yellowthroat &
one Warbling Vireo at Concord & then but once each.

I walked about almost all day, mowing
lawn & setting out plants. George missing.
Monsieur & Casper walked yesterday on walk,
to-day on road behind orchard shop.

Concord

Ther Friday, June 8, 1917 Wea
Belated north-bound migrants. Fair.

Early morning cloudy & foggy. Sun out bright
& hot 10 A.M. 3 P.M. Short, sharp thunder
showers 5-7 P.M. Light variable winds.

North-bound migrants: Bay-breast W. ♂ & ♀ in
trees over lawn & in Cedar Park later, Black-poll W.
♂ & ♀ in same place, Tennessee W. ♂ & ♀ in tall
trees near house & barn, another Tennessee ♂ & ♀
near the Maus & a Black-poll ♂ & ♀ near
Concord House, Concord village. It is surprising
that these species continue to linger, or at least
to occur, here so late & so long after most
of their kind have passed.

Blue jays in unusual numbers still
making hourly visits to almost every nook
& corner of the farm screaming incessantly
& worrying the Robins greatly. I have
noted several Robin's nests plundered of their
eggs but cannot attribute that the jays did it.

Because of the loss of an important golf-filling
I had to motor to Concord this morning to
have it replaced by Dr. Towne. Back by noon.
Spent afternoon pruning shrubs & removing
lawn mowers.

First foot prints of small deer crossing corn-field, Rutledge place.

Concord

Ther Saturday, June 9, 1917 Wea
Fine

Forenoon sunny, calm & very warm. Afternoon somewhat cloudy with fresh S. W. wind.

Green Frogs trunging in pond in Berry Pasture. Towhee Tods in full blast at evening after off towards Birch Is. & doubtless in some meadow. Both heard for first time this year. Garden Tods & Hylas silent for past few days after a prolonged singing season. No Tree Tods heard in water as yet.

A Yellow-bellied Flycatcher calling pee-e many times in Cedar Park, 8 A.M., the only northward migrant noted.

Witty - witty - Tee - e - e peculiar song of a bird at brief intervals, Berry Pasture, 6.30 P.M. It had quality of Golden King W. song & I think came from bird of that species - wren, however.

Night. heard some high, peeping & booming over meadow 6.30 P.M., may have been song sparrows but acted more like a local bender.

Spraying apple trees with Benzolite all A.M. Writing letters in P.M. Strolling to Ritchie Pl. & then Berry Pas. just before sunset. Mrs. & Mrs. Darling called at 4.30.

Concord

12 Ther Sunday, June 10, 1917 Wea
52° - 58° Red Squirrels & Chipmunks. Stormy

Heavy N. E. rain storm lasting all day, with dark - lowering sky & chill wind.

Bird life less in evidence than for many a day. Three Robins feeding young in nests at this house, a downcast Crested Flycatcher in locust in front, a few Chaffins & one Song Sparrow on lawn were all the birds I could see from my seat at the window.

After spending forenoon then writing letters I started for a walk at 3 P.M. Went first to Ritchie place & thence to Birch Lake through dropping woods wherein the only bird songs heard were those of a Pine & a Black-throated Green Warbler.

A wood pile close behind the house is roofed over by large sheet of canvas beneath which Red Squirrels are constantly sheltered of late. I saw them enter this snug retreat all together, to-day literally touching one another as they disappeared.

Chipmunks are numerous close about house & digging my crocus bulbs miserably. I shot at one with a .450 pistol chump this morn. nearly to, fighting him away. Several young ones scarce begun than than when adult very playful when appeared here of late.

Concord

Ther Monday, June 11, 1917 Wea
Stormy

Raining heavily through last night most of to-day and now - at 8 P.M. Strong, cool N.E. wind. Everything drenched & brooks swollen as in early spring.

Birds silent except in late P.M. when the rain ceased for half an hour and there was much delightful singing, especially about the house, in which Oriole, Tanager, Indigo bird, Bluebird, Purple Finch & others took part. I heard no Robins, however. Those nesting on or near the house are all busy feeding newly hatched young. I watched the pair that built on the wood pile in our shed at intervals all day & noticed that both parents shared equally the task of providing food usually visiting the nest with it alternately at the same time together. It does consist wholly of the larvae & seemed to consist of macerated bits of earthworms brought in small globules (never large than a pea) & held in the tip of the bill. It was very pleasing to see them thus engaged. The ♂ is an uncommon kestrel on the other hand will even permit any one to enter the nest without leaving nest but they never feed at us when we are there.

Spent forenoon with George clearing out old barn & rearranging everything. Weeded flower beds in P.M.

Concord Dr. & Mrs. Gehring visit me.

Ther Tuesday, June 12, 1917 Wea
White. The Sparrows sing up here. Dull

Slight cloudy with one brief interval of sunshine & two brisk but short showers. Wind still N.E.

Birds singing freely but apparently not many of them, altogether especially in woodland bordering on farm.

About 3 P.M. I heard a White-throated Sparrow sing a downy tune or note in brush bordering on cow pasture. Each time he gave only five notes all precisely alike & without much spirit. The same bird has been heard by me before in the same place, at intervals, for a week or two.

Spent most of forenoon working in flower gardens & hoeing potatoes. About noon was called by telephone, from Hotel Touraine, by Dr. Gehring. After talking with him & with C. it was arranged that he & Mrs. Gehring should first see C. in Cambridge & then visit here. They arrived at 4.40 & spent about an hour. The Doctor did not seem as well as usual. I told him about the place & he did not leave till 6.30. Gordon Hutchins called this eve & sold me two \$1.00, Indigo Birds for Concord. a small.

Spraying day.

Concord

Ther Wednesday, June 13, 1917 Wea
82° Perfect

Early morn cloudy & foggy. Rest of day sunny & very warm, calm for most part but with some light southerly wind.

Birds singing well but they seem much less numerous than a week or so ago.

I hear only one Chestnut sided Warbler, no Yellow Warbler, or Grosbeak, but one Tanager.

The extreme scarcity of birds is especially remarkable. Not one of any kind heard to-day.

Pheasants, also, are well high gone from this neighborhood. I hear one Crow occasionally but have not seen any for weeks.

Saw a 2 Cooper's Hawk cross field front of house with characteristic swift, gliding flight. Crows & Jays in conspicuous numbers.

Taking advantage of the fine calm weather we put in a most satisfactory day of spraying. Piece with six men dealt thoroughly with all the woods, thickets & large trees with cultivated parts of farm, along the public road & in Culver Park which Dusen & Gorge did all the apple & other fruit trees here & at Fitch's place. I was with both gangs of men much of the time. Everything went off most successfully.

Concord

First Dragon Fly on wing
" Tree Toads singing in water.

Ther Thursday, June 14, 1917 Wea
82° Magnolia Warbler in Birch Field. Fine

Clear & very warm with fresh S. W. wind.

Magnolia Warbler ♂, unseen, singing among dense young white pines at west end of Birch Field in forenoon & afternoon. I heard him there on the 12th but not well then. His song seems typical of maculosa but is not of the usual "pretty, pretty, Rachel" form.

Many birds singing freely to-day. Redstart (a new comer, apparently) in oak grove behind barn. Wood Pewee in trees. Yellow-bill Cuckoo in Birch Field, Black-bill at farm. Whippoorwill in full cry at end to W. of Berry Pasture.

Brood of young Bluebirds out of nest (all but one) at 6.30 P.M. & scattered about orchard, calling.

Tree Toads, calling by tenses, in water, for first time, this evening.

First Dragon Fly: very many on wing.

Piece's men sprayed run & outhouse about Bertha Spring, dense parts of Berry Pasture & most of Birch Field. It all went remarkably well. I went with the men all day. Gilbert went to Cambridge after dinner & returned C. to Dover after 7th Gallop called this eve. staying half an hour.

Concord.

Ther Friday, June 15, 1917 Wea
Marked increase of local birds Mixed.

Early morn. cloudy. Bristle thrushes 8-10 a.m.
Rest of day mostly cloudy, partly sunny, calm,
warm, humid.

To Birch Field, 9 a.m., to look up the
Magnolia Warbler. Found him in same place &
had good view of him through glass. Very handsome
bird in high plumage. All the time I was there
(about 20 min.) he sang incessantly & vigorously
at short, regular intervals, usually in the tops
of tall grey birches, sitting there motionless until
before flying to another tree top of same kind,
sometimes hidden from my view around the
dense growths of young pines. He must be nesting
somewhere in there I believe.

Lots of birds singing freely everywhere to-day.
It seems as if many of them must have
arrived during the past two days. There is
still a great scarcity of vireos. I did not hear
a single Red-eye to-day.

Dead young in Robin's nest on front of house.
& I found nothing. I suspect she has been swindled
on nest at night by one of the several Ducks nesting
very close by. The male is gone. The other two nests
have hatched young.
Spent forenoon rambling about. Main collecting
area at Birch Field. Lots of birds there.
Meadow larks & Wooded Thrushes in Park.

Concord.

Ther Saturday, June 16, 1917 Wea
Dull.

Dark cloudy & misty with occasional light
rain & gentle southerly breeze. Very heavy rain
through much of last night. Everything water-
soaked again. Roads & swamps flooded.

Oaks in nearly full leaf. Locusts only thinly
foliated as yet. Catalpa leaves just unfolding.
Horse Chestnuts still in bloom. This is making
glorious show, almost at its best. All
vegetation at least two weeks behind its usual
dates and this date or about the stage

usual at the beginning of the month of June.

The number of local birds of several kinds
seems to have increased three or four fold
during the last few days. Stronger as it may
appear I am convinced that there has been
a very considerable influx of them at this
late date. This is especially marked with
Chestnut-sided Warblers Black-thr. Greys &
Maryland Yellow-throats. Heard a Magnolia

Warbler singing in Cedar Park & a Peewee bird
near Cow Pasture (the Magnolia probably came
from Birch Field). Birds of every kind
singing freely & vigorously all day long.

Spent much of forenoon at Birch Field &
in Cow Pasture, bird watching.
Meadow larks & Wooded Thrushes both
in P.M. Weeds growing enormously fast.
4 more fighting than any other area & Peewees

First Bull Frogs.

Concord

Ther Sunday, June 17, 1917 Wea
Dick Dana & Dan French here. Stormy

Incessant rainfall almost if not quite the heaviest of this exceedingly rainy spring. Swamps flooded; brook at Barnes Spring a raging torrent where it pitches down under big oaks. Brook that leads beside Horro's Lane fairly roaring down its rocky bed. Tree foliage gloriously dense & flourishing albeit swarming with Gypsy larvae. It has somehow developed much in advance of them this year & as yet shows little trace of their ravages even where not sprayed. I fear most of our spraying may prove ineffective because so washed by these tremendous rains.

Dick Dana motored up from Cambridge to spend the day, arriving about 10 A.M. We spent remainder of forenoon by open fire, in friendly talk. After dinner we started for a walk, despite the rain. Went through Bush Field & Pleasant fields, over Davis Hill, past Ball's Hill & back via Holden Hill & Alden Meadows. Loquax in Pine Park glorious to behold. Birds almost wholly silent every where. Beavers? Muskrats? houses in Holden Meadows somewhat disfigured looking & surrounded by water. Dick started for Cambridge at 5 P.M. Dan French telephoned from the Hospital this eve.

Concord Cooper's Hawk at aviary.

Ther Monday, June 18, 1917 Wea
Perfect

Brilliantly clear & just agreeably warm with light westerly wind - really S.W. in P.M.

Birds singing well all day, but not many of them, apparently. Can it be that the marked increase in their numbers noted on 14th & 15th represented mostly individuals bound further north? None of especial interest to day save the White-throated Sparrows whose dull, firm note long came to my ears at short, regular intervals for half an hour (1.30 - 2 P.M.) evidently from a neglected corner at north-east end of our pasture, growing up to ground juniper & young white firs.

As I came around the old barn at noon a ♂ Cooper's Hawk closely pursued by a mob of white Semblers (4 Barn, 1 Inn) dashed away from the aviary at E. end of house where he nurse had been trying to get at the Pigeon. He crossed the lawn less than 6 ft. above it.

Spent most of day spraying apple trees with one little hand held machine. Burbank helped me in forenoon, George in afternoon. We re-pruned trees where the previous spraying was not thorough. Some of these Semblers with Gypsy larvae but all Pigeons well & as far as absolutely effective.

Two Bull Frogs bellowing in swamps near Beaver Dam Rapids

Dooryard cloud sprayed

Concord.

Ther
82°

Tuesday, June 19, 1917

Wea
Fair

Dan French's second visit

Clear & warm. Forenoon mostly calm.

Fine S. W. wind (shifting to easterly) in P.M.

Birds numerous about the farm & singing freely all day. I heard the White-throated Sparrows at intervals in direction of Cow Pasture & a Thrush in direction of Ritchie place. The latter bird was exhibiting "bob-white" at 6.30 P.M. went up in a leafy maple over the road in front of Mrs. Horner's house. D.C. French & I started him from this perch & saw him fly off over the open fields. His voice sounded very loud as he went almost beneath him.

Brown sent down a spraying outfit & two men this morning to poison our dooryard chow. Every condition favored it & the work was thoroughly done. The men then made several clouds in the tall walls near fresh orchard. I did some spraying with our outfit in Berry Pines & orchard.

Dan French arrived at 2.10 P.M. to spend night. He strolled about farm & through Berry Pasture before sundown & spent long evening talking in porch. He seems very well & looks very young.

Concord

Ther
80°

Wednesday, June 20, 1917

Wea
Fair

Fine day with Dan French.

Cloudless all day. Forenoon dead calm & oppressively warm & humid. Fresh, cool S. W. wind all P.M.

Spent entire forenoon in woods, with Dan French. We left home about 8.30 a.m. and strolled slowly through Birch Field, Prescott farms, over Davis Hill around Ball's Hill, back via Berwin's & Ritchie place. Terrible infestation of Gypsy larvae along river & meadowy woods equally bad in Davis Swamp. Rabbits going fast everywhere throughout. River meadows flooded. Beavers (?) houses dismantled & shophouses having given loose. 2 Black Ducks flying past cabin, quacking loudly.

Birds singing well. Only one Redwing at Davis Hill. Grosbeak in upper part of Pine Park. Doves there as thin very fast & making amazing shows.

After dinner we read & talked until 4 P.M. when Dan started to walk to Concord. I went with him as far as Bigelow's Brook where he was picked up by Gilbert (returning from Concord) & I returned to the Hayes'.

Concord

Ther Thursday, June 21, 1917 Wea
Fine

Clear & very warm with fresh S. W. wind.
Thunder caps drifting numerous high overhead
in P. M. but nothing came of them.

Irises now at their best. Foliage of forest trees
almost if not quite full. A few strawberries
ripening.

Green Herons & Tree Toads in full cry far & near
last evening & this.

Local birds numerous & singing freely all day.

2 Black-burnian Warblers & 3 D. Vireos singing in

Pulpit Rock woods, Peabody bird at Cow Pasture,

Yellow thro. Vireo (new come), Red. eye & Solitary

close about house; Towhee & Flicker bird in

Birch field. The pair of Bluebirds that lost their

entire brood of young during heavy rain of 17th

copulating this m. & ♂ singing delightfully. The ♀

building a second nest in hole by frame of barn.

Spent entire day spraying with Gypsy to
drive the ticks & work the pump. Myron sent

his hand pump & 2 men, also. We all

worked in Pulpit Rock woods & Birch field.

Gypsy larvae by millions there, some

half grown, others only just hatched.

Mr. Dr. Merrill called at 7 P. M. staying
half an hour.

Concord

Ther Friday, June 22, 1917 Wea
Perfect.

Cloudless & very warm; forenoon windless;

light southerly breeze in afternoon

Birds singing well in early morning but
generally silent through mid-day hours
and rather unusually so towards evening.

Heard the White-throated Sparrow a few times

There has been very little sustained & fervent

Robin singing thus far this year, even

at day break. Two broods of young nearly

ready to leave nests in wood shed &

apple tree crotch at back garden door.

Percy brought up his son John this morning

& spent the day getting him started in

gardening work here. They cut the lawn,

weeded the strawberry bed etc. I was

with them most of forenoon.

Daren came with his power sprayer this

morning. He & Gypsy worked all forenoon

at Ball's Hill. He reports Gypsy larvae

razing trees & foliage nearly ruined.

I went out with them after dinner when

we sprayed oaks & birches in Birch field &

along road road to Brewster's. Conditions

very bad there. Strawberries this m. They
first found them this m. They
are delicious - very large I was told.

Don friend remains here. Beg.

Concord.

Ther Saturday, June 23, 1917 Wea Perfect

Cloudless & almost windless with warm, dry air. Best type of perfect June weather. Sky somewhat overcast towards evening, however.

Usual local birds singing freely in usual places. Air filled with their joyous music all day long. White-throated Sparrows were louder & clearer than heretofore. Yellow-throats singing in big clumps & out on road. Insects whistling & one Bobolink singing in Lawrence's field. Whippoorwill at 8.00 after off N.W., probably in Mason's pasture.

Motored, soon after breakfast, to Bedford where I settled with Hodgson (\$10.) for transporting Paic's men (2 days). Also paid Hodges \$2. for two loads. Called at L.A. Ford's to pay him for ciders but he was absent. Shall meet Chyng. Back by 9.30. Spent remainder of day working about the farm mostly with John Harris, working flower beds, & with Burbanks, preparing Turkey yard front of barn.

Concord.

Ther Sunday, June 24, 1917 Wea Dull
T of sun.

Cloudy & cool with light winds varying from easterly to westerly.

Birds singing only sparingly, mostly at noon & eve. Heard White-throated Sparrow at Cow Pasture but failed to find him there upon visiting his former retreat in mid P.M.

2 Whippoorwills singing at once, 8 P.M., N.W. of Lawrence's. Veery in full song a little earlier, in Bay Pasture.

The brood of 4 young Robins left nest on woodpile in shed to day. Three of them took to nighting time on thistles. The fourth remained in shed, perched on the back of a chair, where his parents fed him. Yesterday I saw the ♂ parent repeatedly feed the young with bits of green leafage or grass (I thought plantain leaves) which he plucked from the lawn until his bill could hold no more. The very next trip he was likely to take a worm or two often a whole one, swallowing.

Spent most of day working letters. Finished at 3 P.M. saw a very large Fox running swiftly along roadway at foot of orchard slope next meadow. He bounded lightly & looked very fresh and

at 9.15 heard some Rail singing in distance towards Great Meadows. Retired by 10.15. Heard several Aloues. Heard by 10.15. Heard several Aloues. Heard by 10.15. Heard several Aloues.

Concord

Ther Monday, June 25, 1917 Wea
Fair

Heavy shower from inkly black cloud, but without thunder or lightning, 11-12 A.M. Otherwise a clear, calm & rather warm day.

Bird music beginning to decline in frequency & persistence but still very general & delightful, especially at noon & eve. At 7.52 P.M. a Veery in Berry Pasture a Hermit Thrush & 2 Chiffchaffs after off towards Bigelow Road & the Peabody Road at once. Crows pastures were all singing at the same time & heard plainly enough as I ~~stood~~ at rear of house. Entering our barn at 8 P.M. I started a Thrasher who had evidently settled there to pass the night. He went out not by the wide open door but through a hole in the boarding, of his own drilling, which I have not noticed before.

Spent entire day working near house with George. We loaded flower beds & cut down half a dozen peach trees (wooded into fruit) that shaded our asparagus bed to its obvious detriment.

Concord

13 Ther Tuesday, June 26, 1917 Wea
Fair

Forenoon mostly sunny, afternoon cloudy with a light shower. Warm. Strong S.W. wind.

Not much bird music. Conditions unfavorable for it. Robins sang fairly towards sunset, however, and White-throated Sparrows at intervals all day. Two Pheasants crowing at same time, one in run, other in Berry Pasture. I no longer hear the Quail & fear he has deserted this neighborhood. We now have only one bird, a Red. sp., within hearing from house. A Redstart sings all day long in oak grove behind barn. Song Sparrows unusually silent this spring & summer but singing a little now. A pair seem to be nesting in Forsythian bushes front of house. I hear the ♂ Oriole daily in our dooryard elms & presume his mate is brooding eggs or young in the nest she built high in the trees at east end of shed although this, like the nest was heavily sprayed.

Spent most of day working flower beds. Dexter came down to dinner with me & left at 2.45 P.M. Walked through Berry Pasture at sunset.

Screuch Owl follows me at eve. Concord

Ther Wednesday, June 27, 1917 Wea
Bay-breast Warbler ♂, oaks near barn. Fine

Clear & very warm with strong S. W. wind.
Heavy rain last night.

Stially locusts in full bloom.

As I was tying up grape vines at 5 P.M.
a ♂ Bay-breasted Warbler began singing at short
regular intervals in oak grove at rear of barn &
kept it up for 10 or more minutes. He gave the
normal song - weary - weary - wee & was
answered regularly but a Red start in a
neighboring tree. The foliage was so dense I
could not see eyes on him.

Returning from Retikin place at 8 P.M. I
was followed through vine to front of barn by a
Screuch Owl who circled low about me &
repeatedly swooped close past my head snuffing
his bill & calling ah-ow, ah-ow sometimes
varied to oo or hoo rather soft & cooing.

No doubt the parent birds of brood of young hawks
in big elm & now with them in the Run.

I saw the Shrike only dimly in twilight.

At 7 A.M. & again at 7.15 P.M. a ♂ Marsh Hawk
glided low over field in front of barn &
thence into Cedar Park, as before & I was at
breakfast & supper.

Spent forenoon wandering about farm &
woodland studying north country ch. Thrush.
Hawthorn. These nesting trees have failed to the birds.
Tied up grape vines & pulled strawberries in P.M.

Concord.. Non effect of spraying on farm birds

Ther Thursday, June 28, 1917 Wea
70° may Spraying season ends. Fine

Brilliantly clear with warm sunshine & light
cool northerly wind. Grass fields white with
daisies and yellows with buttercups, both now
in fullest bloom. This season about over.

Only a few ripe strawberries as yet. From
one large bed we have difficulty in
picking a quart or two daily & these
are mostly of the "con-bearing" kind.

Birds singing well all day. Note none
of any special interest. There is no
indication that any have suffered
harm resulting from our spraying
although this has been unusually thorough
& comprehensive this year, embracing
practically all deciduous trees & shrubs
in & close about the farm as well
as a good deal of the neighboring woodlands
at Birch Field, Berry Pasture & elsewhere.

Spent most of forenoon working in flower
beds. Left canoe to cut a lot of locusts
along ten road. During Canoe in P.M. to
spray some bushes in Cedar Park, long large oak
in Run & part of Berry Pasture. This ends
our spraying for this year I trust.

Concord

Ther

Friday, June 29, 1917

Wea

Dew seen in Berry Pas.

Dull

Cloudy with occasional light, short showers.
Heavy & prolonged rain at evening. Cool.
Light southerly wind.

Cat. bird singing divinely at noon & eve
in or close about down yard. Robins also
in full song. Their young have wholly
disappeared but some nests to be seen at hand
for a northern bird came to the lawn for
caterpillars & departed with her bill full of
them. Heard two Maryland Yellowthroats
singing near Corn pasture & a third in
spruce growth on high land just north of
Birch Field. Blackburnian Warbler in
hillsides song at noon and Pulpit Rock
junco woods.

Crows & Jays continue to come smothering close
about our farm buildings thereby causing the
various birds nesting there frequent alarms.

A Cooper's Hawk (♂) pursued by excited Sparrows
flew low & hovering over field in front of
house at noon, chasing a bird-like object
in his talons.

Spent forenoon working in flower garden
& Strawberry bed, afternoon with Jeff in
Pulpit Rock woods where he cut & pulled three
large chestnut trees for posts.

Concord

Walter Foster calls.

Ther

Saturday, June 30, 1917

Wea

2 Foxes barking at 11 P.M.

Fine

Clear & cool with strong N.W. wind.

June roses just beginning to bloom fairly.
Stately Cornus in fullest bloom. Strawberries
ripening with singular deliberation. We
have as yet only a sparse supply from a
very extensive bed. Cherries a failure this
year; despite superabundant bloom there is
almost no fruit on any of the trees.

The peach crop promises to be a very generous
one. Indeed every one of our trees is loaded
with small fruit.

(at 11 P.M.)

2 Foxes barking in Berry Pas. answering each other.

Birds singing freely all day, among them
the White-throated Sparrow. I had a good
deal of him this forenoon calling him close
by "scrumping" which brought an answering
note from Song Sparrows, also. Both are evidently
nesting in a neglected area covered with grass
& ground juniper just over wall at N.E.
corner of Corn Pasture. The White-throat proves to be
a handsome one in fully adult plumage.

Spent much of day in Pulpit Rock woods where
Monsieur & his boys have cut a new wheel
road. I also worked in flower garden.

Gilbert motored C. from Lancaster to
Cambridge this forenoon. Foster called at 7 P.M.

Large Deer seen by Jeff. Pulpit, 8 a.m., standing on cantonway at S. end of Berry Pasture.

Red Foxes barking at 11 P.M. (at 11 P.M.)

Woodcock flushed.

Concord

C. M. Carter calls.

Ther

Sunday, July 1, 1917

Wea

72° max.

Barned Owl hunting

Fair

Sunny but very hazy with some thin veiling of cloudiness, also. Fresh S. W. wind. Plenty of ripe strawberries & full-blown roses now. First green peas. Lawmen cutting hay fields yesterday.

Birds singing everywhere all day long & with unusual sweetness & fervor. A Tanager in our dooryard clung kept it up continually from sunrise to sunset or later. He had a really full, robust voice. As I was standing in front of house at 5 P.M. the hooting of a Barned Owl came to my ears with perfect distinctness but apparently from a distance of at least 300 yds & I thought from Howard's Chestnut woods west of the May Pasture.

Spent most of forenoon rambling about our woods & fields. Started a bag of Woodcock in swampy maple grove at S. W. corner of May Pasture. Lyking Martins very bad in mass of our unimpaired woods but beginning to "melt" & called extensively. They are eating pine foliage fairly now. Some are large, others very small. Charles Carter came to see me at 3.30 P.M. staying about an hour. He is arranging to sell his house at the death of Anne.

Concord.

Ther

Monday, July 2, 1917

Wea

92°

Snapping Turtle in pond on lawn

Fine

Early morning cloudy; remainder of day sunny & intensely hot with light S. W. wind. A thunder storm at 5 P.M. After that a calm sultry evening during which the song of Green T. rags came incessantly from the ponds in our May Pasture & the harsh discordant voices of Towhees' Froads from more distant wet places. The latter creatures do not seem to know fragments any part of the T. rags - for which I am deeply thankful. Most of them spawn in or near the river, evidently - which the Garden Froads do not.

To my great surprise a Snapping Turtle appeared to-day in the little artificial pond in the lawn front of house. I saw his coil - looking head protruding from beneath a sheltering rock & presently disengaged him with a stick. He is a rather small one of about 15 lbs. weight. Birds singing well despite the heat. None of especial interest.

Spent day working with the men close about house. Put up a pig fence under off trees, ~~landed~~ ~~from~~ ~~back~~ ~~at~~

Concord - Cambridge Cambridge

Ther Tuesday, July 3, 1917 Wea
Fair

Partly sunny; mostly cloudy. Light rain at evening. Warm & humid. Light S.W. wind.

Concord. Forenoon spent at farm, putting things away, picking Strawberries, spraying for an hour along new canal bank in Pulpit Rock woods. Heron - throat Sparrows singing near Cow Pasture; usual birds in day about house.

Gilbert motored me to Cambridge (12 = 1.05 P.M.) via Bedford, Lexington & Chapel Road. Found C. & E. R. S. at home, both well but looking appreciably older than when I last saw them two or rather three months ago. We lunched on back piazza. Had hair cut by Marks, Harvard Square, in P.M. Living Fuller & her sister with us at supper. E. went to see after thing about 2 Robins & a Red-eye singing freely in Garden towards evening. Several Jays screaming:

Ther Wednesday, July 4, 1917 Wea
72° max Abundance of Robins Fair

Thin cloudy with occasional gleam of dim sunshine. Seasonably warm. Light S.W. wind.

Garden birds. Robins singing incessantly & visiting cherry trees taking them from ripe fruit to young calling in the lilacs & elsewhere; a Red-eyed Vireo singing; Crows cawing & Jays screaming; Swifts twittering overhead at noon & eve; a Flicker shouting now & then; only a few House Sparrows. The Robin music was, as I have said, practically continuous all day long & very pleasing to listen to. Towards evening at least three different birds took part in it at times & usually there were two. I heard or saw others further up Brattle Street. They are evidently much more numerous in this part of Cambridge than for many years past. The young I heard calling were apparently out of the nest & scathard. That they could have been hatched & reared despite Crows & Jays so numerous hereabouts is surprising.

Spent most of day in Museum going over bills letters etc. Called on the Spelmanns in their garden at 4 P.M. & on the Fairbanks after supper.

Cambridge-Boston

Ther Thursday, July 5, 1917 Wea
My sixty-sixth birth day. Perfect

Brilliantly clear & delightfully cool
with light easterly wind.

Garden birds: A dozen or more Robins,
flocks of H. Sparrows, a ♀ Oriole & one Grackle
visiting cherry trees laden with ripening fruit.
Red-eyed Vireo singing in jungle, ad ♂
Oriole in Hubbard Park. 8 Crows flying
successively from jungle toward river.

The concert of Robin voices was again
kept up nearly all day with two or
three birds vying with each other at
times especially towards sunset. It was
good to hear them thus. There were
many scattered through Hubbard Park
but our cherry trees attract them largely
just now. I see only a few speckled breast
young. Swifts at home.

Went in town at 10.30 to meet Judge
Abbott at our office. Talked with him for
about an hour. Saw Galloway & Doring, also.
Sold \$2400 Liberty Bonds at par.
Home by 1.20. E. had arranged a pleasant
surprise party for this my 66th birth day.
The Spelmans, Allen & Harriet Balliett came.
We dined on ball pie & talked about
gardens afterwards. Doring Fuller & her sister
came to supper. I had a fine birth day
with all & several presents.

Cambridge

Ther Friday, July 6, 1917 Wea
Perfect.

Clear, almost windless, cool & rather
than warm. yet warmer than yesterday.

Garden birds. Very many Robins, the usual
tireless singing Red-eye, a Chippy singing
in lilacs at short, regular intervals 1-1.15 P.M.,
an ad ♂ Oriole fluting in jungle & a ♀
flying from it over lawn. Blue Jays &
Crows heard, also Swifts.

Although I do not see more than
a dozen Robins in the Garden at any
one time it is probable that at least
thrice that number visit it daily, attracted
by the ripening cherries, for they are constantly
coming into & flying from the cherry trees.
Two birds sing steadily, almost all day long,
& one or two others can be heard faintly in
the distance.

Spent most of day in Museum working
& filing letters. In afternoon tea at the
Faircholds' 5-6.15 P.M. About 20 people
there among them Alvin Seale of Cala & his
pretty wife. He collected Pacific Sea birds for
me 20 years ago but this is the first time
we have met since. I killed him at first sight.
Talked with several others, also
Spent evening in Page Room with C. & E. & S.
the latter reading aloud.

Cambridge

Ther

Saturday, July 7, 1917

Wea
Fine

Clear, cool, almost windless. Thin, filmy clouds overspreading sky towards evening.

Garden birds. Robins in somewhat diminished numbers visiting the cherry tree. Their singing also less well sustained although very delightful especially in late P.M. A. Red-eye the only other singing bird heard to-day. Jays screaming, a Flicker chattering feebly. A Grackle eating cherries. 2 Swifts careering high overhead.

Spent most of day in Museum writing letters & chasing for bills. Harry Spelman called in mid P.M. I walked home with him to see his vegetable garden which is last flourishing team in former years in town because of excessive rainfall. Took from Standish to the Fairchild's afterwards. C. drove home for more dinner which he had on piazza but a violent headache confined her to her room through evening.

Cambridge

Ther

Sunday, July 8, 1917

Wea
Perfect

Clear & cool with light westerly breeze. Clouds gathering at sunset.

Garden birds. Robins in increased numbers many of them young not as yet strong on wing. Two old males singing. Red-eye still in almost constant song. 2 Swifts. Young Chippy calling for food.

Spent entire day in Museum writing letters. C. went in town alone to church. Dick Dana called at 5.30, stopping half an hour, just as he was departing Frank Manning came to call supper with us on back piazza. C. did not appear at it & E. R. S. went up stairs soon afterwards, leaving Frank & me to smoke & chat for an hour or more.

Our Cambridge shade trees have greatly benefited by the copious rainfall of this & last year. Never have I known their foliage more luxuriant. It is no longer troubled by flying larvae of which not one can be found about the place.

Cambridge-Concord

Ther

Monday, July 9, 1917

Wea

Deer tracks in veg. garden. Dull.

Thin cloudy & very cool with fresh N.E. wind. Light shower in late P.M.

Leaving home at 8.20 a.m.

Gilbert & I, with John Hand, motored to Concord via Arlington, Lexington & Bedford. After reaching Farm I set to work at once & kept at it until 7 P.M., weeding, cultivating & watering in beds of strawberries, vegetables & flowers. Visited the Cow Pasture to cut some beeches for stalls but got no further away.

Birds singing well all day, among them a Cat bird, Robin, Tanager, Red eye, Chestnut sided Warbler, Dove bird, Maryland Yellow throat Indigo bird, Yellow-bellied Cuckoo.

4 or 5 Goldfinches flying low, together, all in full song at same time.

Young Tree Swallow still in (two pairs).

Fresh deer tracks (large deer) through strawberry bed. Oceans of strawberries,

dead ripe. Wooded Snapping Turtle. He has bitten off every big leaf on pond.

Concord-Cambridge

Ther

Tuesday, July 10, 1917

Wea
Fair

Partly sunny but mostly cloudy, with light, cool easterly wind

Spent forenoon at Farm pulling up dock; pruning blackberries; directing the men's work etc. Also walked to Birch Field. Gypsy larvae back in spots but mostly suppressed within sprayed areas. Those lying immediately about our cultivated land almost wholly free from them.

Birds singing freely especially Cat birds & Goldfinches, Tanager, Indigo bird & Pine Warblers. Heard one Black-burnian.

Gilbert & I started for Cambridge at noon. We went via Concord, Woburn, Watertown & Boston. Plenty of Gypsy moth devastation in Quince, many large pastures oak & some mixed woodland being completely stripped of foliage.

Home by 1.15. While we were at dinner on back piazza a Rose breasted Grosbeak sang entrancingly many times, in the laburnum - such tender rich & flowing song.

Spent afternoon in Museum. 2 R. S. read from Mass Audubon Bureau to C. & me in hall this eve.

Cambridge-Boston.

Ther Wednesday, July 11, 1917 Wea
Stormy

Dark cloudy with chill N.E. wind and light rainfall beginning about noon and lasting well into the following night.

Motored to Harvard Square at 11.15 with C. who kept on into Boston to keep an appointment with Dr. Cheeney. I called at Dr. Andrews' office & then went in town to one office where I saw Gallinger & Darling. After lunching at Marston's visited Rawson Fiske & Fother to make some small purchases and Stearns' where I tried June & July records finally accepting (& paying for) five all good & two uncommonly beautiful. Then I started for home at 5 the subway train was densely crowded & I let four pass in succession before getting a seat in the fifth. Reached our home about 6. Played the new records to C. after supper. She seems to like more of them as much as I do. After that E. R. S. read aloud from "Enigma".

Cambridge

14 Ther Thursday, July 12, 1917 Wea
Fair

Partly sunny, largely cloudy or very hazy. Warm with light southerly wind.

Garden birds. 2 Robins singing at sunset half a dozen or more visiting cherry trees through day. A Grackle & flocks of House Sparrows also raiding the cherries. Red-eyes singing fitfully & brokenly. A Jay in Jingle, a Swift overhead. Young Oriole calling & either the same or another (which looked like an adult ♀) eating cherries in silver just before this. First Cicada shrieking at noon.

Spent most of forenoon in the garden with Percy pruning shrubbery & planning things. After dining on back piazza C. & I sat forth in the Ford car she to look at rooms for Mrs. Sawyer, I to visit Museum where I saw Henshaw, Bangs & Claess (of Washington). Just before entering watched blue jays drilling. While walking home met Harvard recruits returning fr. Fiske Pond. E. read Enigma this even.

Cambridge-Concord.

Ther Friday, July 13, 1917 Wea
Fair

Alternating cloud & sunshine. Light S. W. wind. Hot & humid. Heavy Thunder showers at Concord & Bedford about daybreak this morning. Everything well soaked, brooks running brim full, river meadows flooded, all crops in highly flourishing condition.

Leaving Cambridge at 8.40 Gilbert & I motored to Concord via Arlington, Lexington & Bedford. Reached Farm at 9.50. Spent remainder of day working flower & strawberry beds. Walked through Berry Pasture at sunset. Very sweet & peaceful there. Wild rose, white azalea & elder in full bloom. Birds singing ceaselessly & joyously all day long. Rarely have I heard a finer concert here. Robins, Cat. bird, Wren, Red-eye (2), Indigo Bird, Goldfinch, Tanager, Maryland Yellowthroat, Song Sparrow & Pine Warbler took chief part in it. Lizard whistling at corner S.W. of Berry Pk.

Strawberries still holding out but nearing end. Ripe St. Regis raspberries. Not many cherries.

Concord-Cambridge

Ther Saturday, July 14, 1917 Wea
Dull
Fine fly in garden.

Early morn sunny; after that dark cloudy with frequent light showers until 2 P.M. when the sun shone bright again & continued to until it set. Warm & humid all day.

Spent forenoon at Farm, picking strawberries & working in flower beds. Familiar birds singing freely about house. Lizard whistling somewhere near Mr. Harris. Bobolink in full song in Lawrence's field. First ripe raspberries - St. Regis - 2 pints.

Gilbert & I left Farm at 11.30 & motored to Concord where I deposited in bank \$70.00 mortgage int. received from Borders yesterday. Then we returned to Cambridge via Lincoln, Waltham & Watertown, reaching home shortly before 1 P.M. Spent afternoon in Museum & garden.

Garden birds. Many Robins in cherry trees, 2 & 3 singing superbly at sunset; Red eye & Goldfinch in full song. Seedeater and 2 Chipping Vireos several young calling; Song Sparrow, Yellowthroat, Mourning Dove & lots of House Sparrows.

A fine fly in garden this eve.

Cambridge.

Ther

Sunday, July 15, 1917

Wea
Dull.

Cloudy, calm, comfortably cool.

Garden birds. Robins in uncertain numbers coming & going to & from the cherry trees - At least 3 old males singing gloriously towards sunset, within hearing from the garden if not actually perched within its confines. Their voices seem purer & sweeter & more fervid at this season than at any other and I never tire of listening to them. Perhaps no other bird music so altogether delights & satisfies me. The only other singers heard to-day were a Red-eye, a Flicker & an Oriole. The Cape May bird sang but once but then well. There were very many House Sparrows & a few Grackles visiting the cherry trees.

Spent day in Museum, writing letters & reading war news. Called at the Fairbanks & took C. to Mr. Harris's garden - very attractive just now. Mrs. Lusk called. So also did Michael Mulvey - as cordial, warm hearted & pleasing as he ever was.

Cambridge

Ther

Monday, July 16, 1917

Wea
Perfect.

Cloudless with light westerly breeze. Just agreeably warm through day & evening.

Garden birds. Robins still singing well and freely, especially towards sunset when two or more are engaged for perhaps an hour within or near our grounds. They come & go in & from the cherry trees a few at a time, all day long. This morning I saw a bot-tail young, apparently only a few days from the nest, bathing in pond front of Museum & accomplishing its purpose like an old bird.

Crows, Jays, a Flicker, a Red-eye (singing), a Swift & about a dozen House Sparrows, also one adult Oriole (singing a little) were noted in the garden. Heard a Chipping sparrow persistently in Smith place.

Leaving home at 9.45 a.m. I walked down Brattle St. to Harvard Square & spent next two hours in Dr. Andrews's dental chair. He pulled four teeth. Home by trolley car. S. R. S. left us at 3 P.M. to take boat for New. Desert. Harry Bartlett & Clara Thayer called after supper, talking up most of our evening.

Perhaps birds singing in Wattham Cambridge.
Barn Swallows breeding in S. Belmont
Ther Tuesday, July 17, 1917 Wea
Green Heron at Fresh Pond Fair
Young Chiffins in Garden.

Forenoon cloudy; afternoon sunny. Warm
& humid. Light southerly breeze.

Garden birds. The usual Robins (2 in full
song at eve.) Red-eye, Blue Jays, Flickers;
also an unusual Chiffy visitation consisting
of 3 birds, one adult, two young not long on
wing. Calling for food in the Libes while the
parent sought it close under museum window.

Later in day I started the Trio from the
lawn in front of the house. These young
must have been heard somewhere near by.
perhaps in this immediate neighborhood.

My forenoon was devoted to the Massis
Stockwell of Watertown who came by appointment
10 and stayed until 12.30. They are deeply
interested in birds & have been watching them
for upwards of 20 years. They report several pairs
of Barn Swallows nesting in a barn at corner of
School & Washington Sts., Belmont & a White Throat
Sparrow singing among pines near Lake Mrs. Woods.
Lives at 125 Cambridge Wattham, June 30 & July 7, last.
Starting at 4 P.M. C. & I motored to the
Old Garden place at Fresh Pond to look at the
trenches dug by Harold Nesbitt. Very pleasant
there under old oaks & bushes. Meadowlark, 2
Song Sparrows & a Swamp Sparrow singing.
Green Heron flying over pond. Motored on around
pond & back via Mt. Auburn.
We called on our next neighbor Mrs. Chalk,
Ther living & lost his attention early garden.

Cambridge

Ther Wednesday, July 18, 1917 Wea
Fine

Clear & hot with fresh S.W. wind.
Typical midsummer day almost too
warm for comfort yet on the whole enjoyably
enough whether in or out of doors.

Foliage wonderfully luxuriant everywhere
& as fresh-looking as when it first developed
with no sign of insect injury within our
grounds or near them. Nor can we find
a single Gypsy caterpillar hereabouts.

Butterflies including the big yellow Papilio
appear in the garden daily but not very
numerously.

Garden birds: Same as for past few days.
Robin music falling off both as to quantity
& quality. Red-eye & Oriole the only other
birds singing to day.

Spent day in Museum & Garden watching
Cathars & superintending the extension of a
pope for watering vegetables. C. went in
town to consult Dr. Cheeney. Her sight has
failed of late. He changed the eye drops to
stronger ones. I read her news to her.
Called on Ruthven Dean at 8 Sparks St. this
even. His wife with him. They arrived from
Chicago this P.M. & go to Seaboard on Friday.

Cambridge

Ther Thursday, July 19, 1917 Wea
Dull

Mostly cloudy with fresh southerly wind and warm, humid atmosphere - conditions suggestion of impending rain which, however, has not yet begun.

Garden birds. 2 Robins singing freely & well in late P.M., an ad. ♀ gathering aquatic weed from waters of pond as if for nesting purposes but repeatedly dropping it all after getting a large mouthful & finally flying away without any. A Starling followed her along the pond edge in an odd, stately way, gliding from tuft to tuft of herbage. This is the first Starling ever seen by me at the pond. The Red eye sang only a little to-day. So did an adult. Chuffy accompanied by at least one full fledged young.

Spent day in Museum & garden. C. busily taking under Catalpa part of forenoon. This tree now in fullest flower wonderful to behold. Billchiff called to plan changes in club, club & Miss' man about electric changes. C. & I spent part of afternoon & evening working together. I wrote a letter & answers for her. Read war news & played records.

Cambridge - Boston.

Ther Friday, July 20, 1917 Wea
Fine

Clear with light southerly wind. Very warm & uncomfortably humid yet not an especially trying day at least out of doors.

Garden birds. Comparatively few Robins or Sparrows visiting cherry trees altho there is more & better ripe fruit than ever. Apparently they have somewhat tired of it. Robin singing abating fast. Heard only one bird at sunset & his voice sounded thin & listless. The Red-eye was almost wholly silent. We had a new corner in a Kingbird perched on the topmost twig of a tall tree in jungle uttering his metallic calls.

To Boston at 10 A.M. Spent an hour or two in our office, visited Safety Vault twice, exchanged an expired mortgage for a new one (\$500) at Guaranty & Savings Sth Co., ordered purchase 20 lbs. China Copper Steel (at about \$2), lunched at Maisters, came out about 2.30 meeting Frank Manning in subway train. Pruned cabbages in garden. Read war news & played records for C. this evening.

Flora of Mt. Auburn. Cambridge

Ther Saturday, July 21, 1917 Wea
Fair

Forenoon sunny; afternoon mostly cloudy & densely hazy. Very warm & humid with strong S.W. wind.

Garden birds. A few Robins visiting cherry trees, one ♂ singing well in mid P.M.; Red-eye singing a little; young Oriole calling; a Flicker & several Crows Black birds. Swallow-Tailed Butte. flies floating about globe in front of house just as they used fifty years ago - & ever since.

Spent forenoon in garden superintending pruning of willows & other trees by Percy & John. Starting at 3.30 P.M. C & I motored to Mt. Auburn & back & forth for half an hour or more through its many winding paths noted no birds save Grackles & Starlings.

Home byon, with whom I had a talk at 5 p.m., says the workmen report Pheasants breeding commonly & I said occasionally. They found several Pheasant nests every season now.

Cottontail Rabbits have returned after a long absence. Last year the men saw many young Rabbits but this year only one litter was found. Cats & Skunks prey on them. Red Squirrels & chipmunks have now come back after being exterminated years ago. There are many Gray Squirrels. Muskrats are found round the pond & there are a few of them in the pond. No American water snakes. 24.

Cambridge

Ther Sunday, July 22, 1917 Wea
Fine

Cloudless & hot but not especially humid. Strong S.W. wind. One of the warmest days of summer thus far.

Garden birds. 10 or 12 Robins visiting cherry trees, 2 singing well in late P.M.; Red-eye singing a little; King-bird calling again in jungle; Blue Jay; Crows; Oriole; Swift at evening; freshly-shed wing quill of gray Screech Owl lying in path thro jungle near cluster of pines, next lilacs. House.

Sparrows in moderate numbers flitting hither & thither but almost wholly neglecting the ripe cherries so abundant & delicious now. The Robins, also, have ceased to show much desire for them. Both species apparently prefer the knots that refuse first or else get tired of every kind after feasting on them awhile.

Spent most of day in house & Museum, writing letters & reading aloud to C.. We had a short Victrola concert after dinner & a long one in the evening.

We visited Cambridge, Concord, & Mount Auburn.

Cambridge-Concord

Ther
84°

Monday, July 23, 1917

Wea
Fm

Clear & hot, most of forenoon dead calm. Bight easterly & southerly air stirring in P.M. giving some relief from what seemed a very oppressive & trying day.

Leaving home at 8.20 A.M.

Gilbert & I motored to Concord via Arlington & thence over a road wholly new to me which leads through Burlington to Bedford. It is just an ordinary country road but the region it traverses is very picturesque & but thinly settled.

Reached Bedford at 9.20 & the Farm about 15 minutes later.

Worked all day at weeding & watering, mostly in flower & strawberry beds. Only a few birds singing 2 Robins, an Indigo bird, Wren, a Red-eye, a Chaffinch & a Nuthatch. The last is nearly full song for several minutes. Night-hawk heard 7 hills started from barn at evening. Ripe raspberries, mulberries & gooseberries. Best *Theridion* picked on 21st

Concord-Cambridge.

Ther

Tuesday, July 24, 1917

Wea
Fair

Early morn overcast & foggy. Forenoon clear, calm & warm. Afternoon cloudy with cool east wind.

Robins, Red-eyes (2), Indigo bird & Goldfinch & Wren singing freely, Towhee in full song for several minutes. Crows clamoring long & loud at intervals as they have done constantly this year. Two Silent Song Sparrows on lawn.

Robin's nest with well-grown young on rafters inside barn at Kitchen place.

Deer flies very numerous & annoying in wooded places. Mosquitoes troublesome only at evening & early morning.

Worked hard at weeding & watering flower & strawberry beds through forenoon. Burbank finished cutting grass in field across road. I have bought the hay in Lawrence's field next ours for \$100., he to make & put it in barn. Our load came in this morning.

Leaving Farm at 12.10 Gilbert & I motored to Cambridge via Bedford, Lexington & Arlington reaching home at 1.10. Spent P.M. in Museum. Played *Victrola* for G. after supper on both nights.

Cambridge

Ther Wednesday, July 25, 1917 Wea
Fair

Sunny but densely hazy. Rather warm.
Light southerly breeze.

Garden birds. A constant succession of
Robins visiting the cherry trees, one or two
at a time; two males singing well at sunset.

A Swift high in air at eve. The House Sparrows
seem to have lost interest in the cherry crop
although they continue to frequent the

Garden rather numerous. A bob-tailed
young Blue Jay, apparently just from the
nest, was seen by C. early this morning
perched on the telephone wire just
outside his window to hear the mother
bird feed it. The jays have been
very noisy thereabouts of late, screaming
excitedly whenever any one went near
the big lindens at S.W. corner of house.

Spent most of day in house and
Museum looking after work done by
Billcliff & Clark & Mills men. Called
at the Fairchilds' at 5.30 seeing Sally
& her mother. C. & I passed the evening as
usual reading war news & playing the radio

Cambridge

Ther Thursday, July 26, 1917 Wea
Fine

Clear & very warm with fresh S.W. wind.
Flower garden becoming more & more
brilliant daily with Fennies, hollyhocks,
marigolds, bee balm, sunflowers, and a
few cactus dahlias coming into bloom.
Vegetable garden yielding a full supply of
lettuce, spinach, beets & string beans.
Potatoes & tomatoes on lawn promising a
fine crop later. Tree foliage still
marvellously perfect; that of our old
lindens especially so. The splendid
great Swallow-tailed Butterflies still
visit us daily, flapping, gliding &
floating by turns as they dally with
the sunbeams in open spaces among
the shrubbery & trees.

Garden birds: only the usual Robins,
House Sparrows, jays, Red eye & a
Chippy. Both of the last-named two
sang a little, feebly.

Spent day in house, museum &
garden writing letters, planning a new
gate for driveway etc. C. down at dinner
& supper. We had beetroot, mussels &
was new for coming out in rain.

Cambridge - Boston

Ther 92° Friday, July 27, 1917 Wea Fair

Mostly sunny & intensely hot & humid with light S.W. winds. Two heavy thunder showers in P.M.

Garden birds. Little or no recent change in their numbers & variety from day to day. No sign as yet of any passing migrants. Two Robins & a Red-eye in full song at intervals.

Harry Spelman breakfasted with me on back piazza as he has for three mornings past. After breakfast I spent an hour in Museum & then went in town remaining in our office about 3 hours. Nothing of any especial interest there. Saw Gallinule & Darling. Lunched at Thompson's Spa & killed it. Called at Mr. Reed & Sons to look at single shot rifles & bought one (22 cal) for \$7. Detained there by heavy shower. Home by 4.30.

Spent evening with G., reading war news & playing bridge. Copy of Emerson's "Thoreau" came from him to-day.

Cambridge.

15 Ther Saturday, July 28, 1917 Wea Fine
Wood Thrush in Garden.

Brilliantly clear & agreeably cool with fresh N.W. wind - altogether a very perfect midsummer day especially grateful after the torrid, sultry weather of the past week.

Garden birds. New to my list for this year & doubtless occurring as a migrant from some more or less distant breeding haunt was a Wood Thrush seen this afternoon. I flushed him in the jungle, from the ground in a densely shaded place beside a fallen tree trunk, and had a good view of him for a moment as he sat perched in sunlight on a low bough. Nothing else of especial interest. The Chipping heard singing once. Two Red eyes, one singing a little. Several Jays scolding & quarreling; a dozen or more Grackles, adult & young; as many Robins including several bobtailed young just from nest. One or two old Robins sang briefly & listlessly.

Spent most of day in Museum sorting old letters & cheques for bills etc. Went for a short walk with C. after dinner. Read Emerson's "Thoreau" to her after supper.

Cambridge - Boston

Ther

Sunday, July 29, 1917

Wea
Fair

Partly cloudy, mostly sunny but very hazy.
Warm & humid again with light S. W. breeze.

Garden birds. Two unidentified Warblers, one looked & chirped like a Tanager, the other like a Yellow Warbler but I could not get a good view of either. They kept nesting in tall, dense-foliaged trees in the jungle. Besides these we had the usual Robins, Grackles, Blue Jays, Chippy, Red-eye & a Swift at evening. Also a Hummingbird (with white throat) at bee balm, 9 a.m.

Accompanied C. to St. Paul's this forenoon, the first time I have been in a church for a year or more.

Beautiful music & an excellent sermon.

Spent most of afternoon in Thomson writing letters. Walked in garden with C. just before supper & after it read Emerson's *Thoreau* to her until George Deane called at 8. He stayed about an hour. He says a pair of Spurred Hawks are seen frequently, close about Catholic Church & probably have bred in or near it.

Cambridge - Concord.

Ther

Monday, July 30, 1917

Wea

94° max. Concord 78° max. Boston (official) Fine

Cloudless with brilliant sunshine and fresh westerly breeze without which the intense heat would have been unendurable. One therm. at rear of house rose to 94° at 1 P.M. when the one at east window stood at 76°. (This at Concord.)

Concord farm birds. Only three species in song, our House Wren all day, two Chippies this forenoon, a Robin (fably) in late P.M. A Pheasant crowed once at sunset. Hummers (white-throated) at bee balm. Young Swifts in north flow of house making prodigious racket when fed (about once every ten minutes) by parent who humbled loudly every time she dropped into the chimney. Cedar bird catching flies over field front of house. Cicadas shrilling occasionally.

Leaving home at 8.15 a.m. Gilbert & I motored to Concord via Arlington Heights & Burlington road to Bedford. Reached Concord at 9.30. Spent most of day working & watering. Took short woodland walk by the mill on way by Thoreau's brook. Laying. Laid out new museum etc.

Concord. Cambridge.

Ther Tuesday, July 31, 1917 Wea
94° (Concord) 98° (Boston Official rec.) Fine

Another cloudless and intensely hot day somewhat relieved in the forenoon, however, by a light cool northerly breeze.

The House Wren sang freely, a Robin & a Chippy sparingly, an Indigo bird once only. Strange to say only a few birds came to bathe among them a Robin, 2 Cat birds & a Chippy. The young Swifts in north blue again very noisy when fed.

Cicadas shrilling occasionally.

Gypsy Moths are everywhere & rather many females laying on trunks of oaks at rear of barn, Brown Tails almost extinct locally. I have seen only one caterpillar this year & no moths are reported by any of our men. Elm leaf Beetles almost equally scarce.

Spent forenoon at Farm. Too hot to do anything but water plants & straw about. Gilbert went to Cambridge to meet C. to Dr. Chaney's. He returned at 2.30. He started at 3.30 & returned home via Bedford & Burlington Road.

Spent evening with C. working about & playing backgammon.

Cambridge

Ther Wednesday, Aug. 1, 1917 Wea
98° (Boston Official record) Fine

Hottest day thus far. Cloudless sky; light variable winds, mostly southerly; excessive humidity. Altogether a combination of conditions hard to endure. Our house & Museum comparatively comfortable, however. Nor did the mercury in therm. on back piazza rise above 88° at any time despite the official record of 98° for Boston at 3 P.M.

Garden birds. The Red-eye sang a little in early morning but the Robins are silent now. Not many of them remaining hereabouts. I heard a Horkbe chirping in jungle but failed to get sight of it. A few House Sparrows were the only other birds noted.

Spent most of day in Museum writing letters. Harry Spelman at breakfast & Frank showing at dinner after which he & C. returned to see Mr. C. & I spent most of evening on back piazza.

Cambridge

Ther Thursday, Aug. 2, 1917 Wea
98° (Boston off. record) 88° max on Fine
our back piazza. 40° up stairs

The heat to-day seemed more oppressive than that before although really no greater in Boston than on yesterday, according to the Weather Reports. It became almost unendurable at times when the light southerly breeze died away and was at it very worst I thought at 6 P.M. during such an interval of sultry calm. Thunder was then rumbling afar.

Soon afterwards a suddenly & violent wind brought blessed relief sending our thermometer down from 90° to 86° in the course of a few minutes. After that it was comfortable enough out of doors & comparatively so within although still far from cool anywhere.

Garden birds. A Robin & a Red eye singing well at sunrise. Two jays, two Grackles & about a dozen House Sparrows with a couple of Robins were seen through the day & 2 Swifts at evening.

Spent most of day in Museum writing a few letters & putting over business accounts bills etc.

After supper C. & I sat on back piazza talking. Harry Spelman at breakfast.

Cambridge - Boston.

Ther Friday, Aug. 3, 1917 Wea
76° max (H) Cooler weather again. Fair

Partly sunny, mostly cloudy with a few light sprinkles of rain. Comfortable temperature all day. Light, variable winds.

Garden birds. 2 Robins, 2 Red eyes, 2 jays, a Grackle & a Swift at evening were all I noted. No singing heard.

To Boston at 10.30. Saw Arthur, Buttrick, Galloupe & Darling at office where I was "out & in" for two or three hours. Visited Safety Vaults, depositing their Certif. for 10 shares "Chino", bought recently, & taking out Certif. for 24 shares.

Ans. Tel & Tel. from which I directed 6 shares to be sold (in part payment for the Chino stock) & a new Certif. for 18 shares made out to me. This will leave me just 100 shares.

Dined at Thompson's. Called at Sturges to try August record. Took 3. Home by 4. C. & I had usual Victorian Concert & receding of war news this eve.

Cambridge

Ther 81° max / Official 81°
66° min. Boston
Saturday, Aug. 4, 1917 Wea
Fine

Clear & comfortably cool with light westerly wind.

Garden birds. A Wood Thrush, no doubt the self-same bird seen July 28, uttered his challenging notes at noon & eve in the jungle where I also flushed him from the ground & secured him closely. He is now moulting & in very dilapidated condition as to plumage. Probably he has been haunting the jungle constantly since the 28th for more than once during the interim I have been almost sure that his call notes were heard.

2 Robins, 2 Jays, a Grackle & 3 Swifts at eve. An Oriole singing lustily & a Red-eye vigorously, at 8 a.m.

Spent day in Museum writing letters. Phelan called in forenoon. E. R. S. returned this morning by our night train from Bangor. She read the war news to us this evening. After that I played a few records.

Gilbert began his vacation on the 2nd

Cambridge

Ther Sunday, Aug. 5, 1917 Wea
Fine

Clear & cool with light westerly wind. All surface vegetation now suffering from late excessive heat & prolonged absence of rain. Practically none has fallen since July 14. Grass lands everywhere drought-baked & bare. Tree foliage unaffected as yet & very luxuriant.

Garden birds. 2 Robins, Goldfinch (heard), House Sparrows, 2 Swifts at evening, Screech Owl roosting in or near Catalpa Tree by Museum at 9 P.M.

Had planned to go in town to church with C. This morning but was prevented by sharp attack of chronic trouble. So, spent most of day in Museum writing letters. Our new neighbor, Mrs. Chase, dined with us on back piazza. I took her all about our place & then went with her to her attractive dog garden. Went at 5 P.M. to the Fairchilds' meeting Lucia there. Mr. Bennett took supper with us. E. read from the news after the last game.

Cambridge

Ther Monday, Aug. 6, 1917 Wea
Time

Clear & warmer with light S.W. wind
Typical mid. summer day. Cicadas
shrilling freely. Butterflies of various kinds
& bees visit our flowers daily. I saw
a small red Dragon Fly hovering over
pond in front of Museum yesterday
These insects do not come to it often.

Garden bird-life at low ebb. Most of
the birds which frequented it in July
have disappeared while there has
been only the most trifling influx
of straggling migrants as yet.

The only birds singing to-day were
a Red-eye & a Goldfinch. Two adult
Robins & one bob-tailed young one,
the usual number of House Sparrows
& one Oriole (heard chattering)
complete the list.

Spent most of day in
Museum sorting letters. Also
strolled thru jungle several times.

Usual evening reading by E. this
time of C. W. Eliot's fine article on
Demochon in N. S. Times.

Cambridge

Ther Tuesday, Aug. 7, 1917 Wea
Time

Clear & just agreeably cool - or warm -
with light westerly wind. Filmy clouds
overspreading sky at sunset.

Garden birds. 3 Robins; an unidentified
Warbler keeping in tops of tall trees; a
Red-eye singing brokenly & a Goldfinch
well; 2 Jays, a Grackle & a Flicker;
6 Swifts at evening careering for an
hour or more about the old lindens.

Worked all day in Museum, sorting
letters & checking for bills. Miss Bales
& her niece at dinner, Mrs. Cobb at
supper, Harry S. at breakfast.

I was in the Garden from 5:30 to
6:30 P.M. with C. She comes there
every afternoon at this hour to take
leaves fallen from the Catalpa.

It was especially beautiful &
restful there this evening with
Zinnias & marigolds coming into full
blown & Swifts twittering ceaselessly
overhead. We read "Emma" after
supper.

Helminthophila pinus in Garden. Cambridge

Ther Wednesday, Aug. 8, 1917 Wea Fair

Forenoon cloudy, afternoon sunny but hot. Warm all day with soft southerly breeze. Saw few birds. A young & Yellow Warbler faintly red streaked on its back, in trumpet vine by house at 9 a.m., singing a little, faintly & brokenly. At 2 P.M. I saw what at first I supposed to be the same bird flitting about in shrubbery landing on the house but it clipped sharply, with a y & a d note, & presently hopped on a hawthorn twig within 8 ft. of me & began picking a bunch of dry leaves in pieces, when at once I recognized it as a blue winged Yellow Warbler the first I have ever seen living, in Mass. At this close range & in a clear strong light I had a perfect view of it & watched it at least 2 minutes. It was a ♀, apparently young but in full adult pl., having entire under parts plain, rather light yellow; upper parts obvious with perhaps a trace of yellow on forehead; conspicuous white or whitish wing bands, obscurely marked dusky line through eye. It finally flew into thicket where I could not follow it being obliged to keep an appointment at my dentist.

Spent forenoon in Museum waiting letters to Harvard Square at 2.30 P.M. Had a broken taxi replaced by Mr. Andrews, my hair cut by Mrs. Andrews. Bought a Corcoran type printer at Harvard Club. Home by 5.

Cambridge

Ther Thursday, Aug. 9, 1917 Wea Rainy
Drought broken at last.

Dark cloudy with a succession of showers. Several very heavy & too accompanied by thunder & lightning. The total rainfall in Boston reports of an inch, according to the newspapers. The day has been somewhat oppressively warm & humid.

Garden birds 2 Robins, a Thrush, several House Sparrows & one or more Starlings heard at evening, none all I noted.

I, out forenoon at Museum. Took, whether I could get data for my Annual Report, going to see a collection of birds in the city. Found an interesting lot with American change & European all of them together in the L. L. L. room formerly for Agassiz's specimens. Saw them. Tells me that Tree Toad has been "vocal" in a park or near his house on Highland Street or rather Fagundes St. but we have heard none at our place yet. Spent bird notes in P.M. toward evening reading in good hall.

Cambridge

Ther Friday, Aug. 10, 1917 Wea
Heavy rainfall of past 36 hours. Fair

Partly sunny, mostly cloudy, warm, humid. Raining through much of last night, at times very heavily especially during a violent & prolonged thunder shower that awakened us all about daybreak. The newspapers report that the rainfall of the past day & night exceeds four inches. Its effect on vegetation has been marvellous. Within two days city lawns hitherto almost wholly brown & lifeless seeming have become nearly as uniformly green as they were in May or June. The trees & shrubbery also look much refreshed.

Garden birds. Few in number & variety. 2 Robins with young calling for food, 2 Jays do., 2 or 3 House Sparrows, an Oriole b.d. calling & a Hummingbird with white throat hovering at Boreana blossoms were all I noted.

Spent most of day in Museum. Wrote out an account of experience with the Hel. pins seen yesterday. Also letters. Mrs. Cobb at supper. After she left I read some news to C & me in hall.

Cambridge

Ther Saturday, Aug. 11, 1917 Wea
First Tree Cricket Fair

Forenoon sunny & rather warm; afternoon cloudy with cool easterly wind. First Tree Cricket chirping in leaves at 7 P.M. & later. Single blood red Dragonfly still haunting pond. Hummingbird moth (the small, gaily painted kind) among our flowers - seldom thus visited here.

Garden birds. Only a very few & these including no migrants for all I could see or hear were a Robin, a Red eye, a Jay, two or three House Sparrows, & two Songers at evening.

Worked all day on my Museum Report finishing it in the rough by 5 P.M. when I called on Harry Spelman finding him at work in his garden as usual.

There are more people spending the summer in this neighborhood than for many years past. The motor travel through Brattle St. has become excessive & a great nuisance because so many. We read & had beetle music this eve.

Cambridge - Boston

Ther Sunday, Aug. 12, 1917 Wea Perfect.

Cloudless, almost windless, warm thro mid-day hours but very cool at morn & eve. Altogether a truly delightful day not, however, without a suggestion of autumn which, indeed, really begins about this time. as far as seasonal phenomena are concerned.

Garden birds 2 Silent Robins, Red-eye singing fairly well at sunrise, 4 Swifts at sunset, Oriole & King bird, heard calling, only two or three H. Sparrows. Several Tree Crickets after dark.

To Boston by subway at 10.30. Met G. at St. Pauls. usual beautiful music and an excellent sermon by Mr. Sullivan. G. & I came out together by subway to Harvard Square where Dady met us.

Wrote letters in P.M. With G. spent half hour after sunset in the Garden - very beautiful & serene it was at that hour. Heading & looking to pass a pleasant evening in hall.

Cambridge - Concord

16 Ther Monday, Aug. 13, 1917 Wea Perfect.

Brilliantly clear, almost windless, cool at morn & eve, rather warm thro day.

Cambridge Garden birds: Nearly full song of Oriole, evidently old ♂, heard twice, 7 a.m. Challenge notes of Wood Thrush repeated several times in Jugh 7 P.M. Scatter bird must be self-same with one July 28 & August 4 & no doubt has been lingering hereabouts all the while.

Concord Farm birds Ad. ♀ Chestnut-sided Warbler in ragged nuptial plumage feeding chattering young in full ant. pl. with well grown wings & tail; Chaffy feeding young; Maryland Yellow. Thr. & Cat bird in bath; Chick note of Grosbeak hd. near house; (12) Swifts on wing over it; Barn & Bank Swallows heard. Indigo bird & Grass Finch singing on Punk. Hill. Song Sparrows in full song in several places along road to village.

To Concord via 8.17 Train from Waverly. Mr. Mannes sent me to Farm in swift, easy motor car & took me back for 5.05 return Train. Flowers & vegetables flourishing at Farm, mostly hard but by bugs & drought. many young humbuckers dead. Both Kellers arrived to day from. B. J.

Cambridge.

Ther Tuesday, Aug. 14, 1917 Wea
Fine

Clear, calm, warm yet not oppressively so.

Garden swarming with Butterflies, large & small, of several kinds. Tree Cuckoos chirping merrily yet not in full force as yet.

Garden birds. Very few. 2 Jays screaming by day; a Screech Owl sitting the cat. like ch. ow at 9 P.M. and an Oriole singing a little in early morn were all I could identify. There must have been one or two Warblers, also, for their chirping was heard through my open window soon after daybreak.

Spent most of day in Museum.

Copied & mailed my Museum Rep. & wrote several letters. Going out to post them at 6.30 I met an Army officer in khaki & walked down street with him. He told me various interesting things about the Howard Contingent.

Played Victrola records for Betty & the others from 7.40 to 8.45 P.M.

Cambridge

Ther Wednesday, Aug. 15, 1917 Wea
Fair

Partly sunny mostly cloudy & hazy. Rather warm & almost windless.

Garden birds. One Robin, a Red-eye singing freely but listlessly, an ad. Oriole fluting a few notes, one Grackle, 2 or 3 House Sparrows, 2 Jays, 4 Swifts at evening.

I am wondering if the frequent presence by night in the Garden of one or more Screech Owls may not account for the extreme scarcity of all other birds by day.

Many of these now doubtless departed on migration but there should at least be plenty of House Sparrows & sometimes no more than one or two have been seen lately of late.

All the presumably passage migrants noted thus far have belonged to species which breed in the Cambridge Region. Not one more northern breeding species has appeared as yet. This is unusual, to say the least.

Spent day in Museum waiting letters. Sent my Colo. Springs specimen of Bendire's Iphidion to Colo. Museum at Denver.

Called on the Spilmans in their garden at 6 P.M. Played Victrola to Betty, C. & B. for an hour after supper.

Cambridge - Boston

Ther Thursday, Aug. 16, 1917 Wea
Fin

Sunny but very hazy. Rather warm & muggy in Cambridge but a cool sea breeze in Boston. The Cuckoos in full chorus this evening.

Garden birds. A silent Robin, a Red eye & an Oriole singing faintly & brokenly, a Flicker calling, 2 loud-screaming Jays. These were all I noted. House Sparrows altogether absent.

After an interview with Billings about the proposed new front gate & coal bin in Museum cellar, which is finally ordered, I wrote a few letters & then went in town reaching our office shortly before noon & luncheon soon afterwards at Thompsons. Saw Arthur & Darling, drew charges for bills (Phelan's, Mosbys & Mums & Hadleys) for recent work on 6 Blindfolded depicted J.L. & L. Stock in Safety Vault, bought two or more records at Sterns for Dan., Home by 3.30. E. read some news & letters after supper. Betty started for Portland with Miss Stinson this evening.

Cambridge

Ther Friday, Aug. 17, 1917 Wea
Mixed.

Forenoon sunny but hazy, calm, warm & humid. Procession of heavy thunder showers in late afternoon & evening, one following close on the heels of another. At times the rainfall was excessive & sometimes there were volleys of hail stones, also. Although no bolt struck near at hand the lightning flashed incessantly & the thunder seldom ceased for more than a second or two, during about two hours, keeping our electric lights dancing a devil's jig. Altogether it was an electrical storm of uncommon energy & duration.

Garden birds continue very few in number & scanty. A silent Robin, a full voiced Red eye & Oriole, a screaming Jay & 2 Swifts at evening were all I saw or heard.

Spent day in Museum & house finishing my trunk, writing letters & otherwise preparing for trip to Guatemala. Phelan called at 4 P.M. & being detained by the rain. Stayed until 6.30. E. read to me after supper.

Cambridge - Glendale

Ther Saturday, Aug. 18, 1917 Wea
Perfect

Brilliantly clear & just agreeably cool
with light northerly wind.

Soon after breakfast Gilbert motored me
to Trinity Court Station, Boston, whence I
took 10.05 train for Glendale. Reached
Pittsfield about 2.40 & took 3.15 train
thence to Glendale where I was met
me with his Dodge car. No one at home
when we arrived but Mrs. French, Margaret
& Bonnie (Schommacher) returned from
Stockbridge later & gave me the usual
warm welcome. Meanwhile Dan & I
had been all over the place & to the
pasture outlook which seemed more
attractive than ever. We sat in parlor
& talked through entire evening.

There has been intense heat here but
no drought and vegetation is looking
well. Streams very low between Springfield
& Pittsfield. Chestnut disease widespread
& disastrous all the way from Worcester
almost every tree affected & very many
dead or dying. Not quite so bad at Glendale.

Glendale

Ther Sunday, Aug. 19, 1917 Wea
76° mot. Perfect

Cloudless and almost windless. Warm
at midday, cool at noon & eve.

A Solitary Bire, an Oriole, a
Chaffinch and a Black-billed Cuckoo
singing more or less fully & for the
most part briefly. A Barred Owl on
mountain ridge hooted who-a, once
only, at sunset. No signs of any
passage migrants from farther north.
A down Swift & a few Barn Swallows
on wing over Knight farm in late
P. M. Passage calling cheep-cheep.
Local birds, old & young, visiting
about the barn in great numbers.

I spent most of forenoon in field,
making records brought from the
the church with me. He seemed
to enjoy success. In afternoon
Dan took me first to farm from
pasture across road to the farm. At
Knight farm where we enjoyed much
after sunset enjoying view & calm
serenity of beautiful surroundings. Short
run of fact.

Splendid aurora Glendale

Ther 56° Monday, Aug. 20, 1917 Wea
Heavy noc. flight mig. Warblers. Fine

Clear & warm with strong S. W. wind.
Cool evening with remarkably fine
display of northern lights, 10-11 P. M.
During that period a heavy &
continuous flight of migrating warblers
was passing overhead. Seldom if ever
have I heard their hissing calls
more frequently within a similar
space of time. No Thrushes were
heard on this occasion, nor was
I able to discern that there were
any passage migrants in woodland
near the house to-day.

Spent forenoon in chamber working
a long letter to C. & putting up this diary.
Played Victrola in studio after luncheon
From 4 to 6 P. M. Dan & I strolled
about the place & neighboring woodland.
picking peaches, pears, many apples.
Tree & shrub thick with insects. Many
Caterpillars of 2 kinds fast moving & large.
Evening spent in porch until dinner was
discovered. After that we watched it a while
more. Lottie Schenck came to luncheon
& took home back to Kingston.

Glendale

Ther Tuesday, Aug. 21, 1917 Wea
Fair

Partly sunny, largely cloudy. Warm
& humid with light, variable winds.
Prentiss French took me to Hager's Pond
this morning. We went & returned
via the wood road that leads around
the west side of the high ridge. I
had expected to find passage migrants
rather numerous because of the heavy
flight noted last night but all the
woods we passed through seemed well-nigh
barren for a couple of Wood Thrushes
singing lightly & a Partridge that
we flushed. Nor were there many birds
of any kind about the pond. I had
a talk there with a man native to this
region & well informed regarding the
forest trees, insect pests etc. He thinks
every chestnut is blight-stricken & needs
fertilizer. Prentiss remained at the pond
after luncheon & caught a bass, a
puckered & a perch.

Dan & I called on Mackin took us
late P. M. He is as interesting as ever.
His last lifting has progressed
considerably since last year.

Glendale

Ther Wednesday, Aug. 22, 1917 Wea
Fishing trip to Hager's Pond. Fair

Partly cloudy, partly sunny. Rather warm & humid but not oppressively so. Light, variable winds.

Prentiss & I went again to Hager's Pond this morning. After catching some grasshoppers for bait we embarked in a small skiff which I paddled out from shore & allowed to drift before a gentle breeze which wafted us further & further over ponds of waving water plants submerged, and great numbers of floating lily leaves. Very pleasing was it to find that a couple of small, intelligent women watching Prentiss fish & listening to the voices of woodland birds. They seemed to be assembled there in great numbers & some beauty. I heard Red. Shouldered Hawks & Jays mimicking their screaming, and several other birds, Crows, a Black-bell Cuckoo, the Oriole, Nuthatch, Redstart, Screech-owl, Maryland Yellow-throat, Kingbird etc. Prentiss caught only one fish, a handsome red perch. A greenish snake in grass.

Dan & I dined with Mr. Intake 7 P.M. Everything of best & dearest, as usual & our host at his very best. Prentiss joined us later. We then returned about 9 o'clock along dark roads.

Glendale.

Ther Thursday, Aug. 23, 1917 Wea
Unsettled

Partly sunny but mostly cloudy threatening rain. Rather warm with light variable wind.

Dan & I had breakfast at 7 a.m. with Prentiss who then left for New York to join his brother there. Soon after his departure I started for a walk. In some shrubbery near our house were 3 Chestnut-sided Warblers, all young in fresh autumnal pl. showing no chestnut. One was shaking & producing a smooth water-pistol about 2 inches long. This it finally swallowed. I saw a Chipping Sparrow similarly with one yesterday. More than a dozen Chippies flew up from road patch in garden this morning. Strolled down road to the Barners to find them preparing for a picnic at Hager's Pond. Mr. W. showed me his vegetable garden & berry patch & was otherwise most obliging as he always is.

In late P.M. Dan & I motored to Hager's Pond & walked back thru Knight's woods. Cloudy then with occasional rain drops. Almost no birds seen or heard.

Spent evening in parlor, talking

Glendale

Ther

Friday, Aug. 24, 1917

Wea

Fair

Heavy Thunder Shower about day break. Early morning cloudy & muggy. Sun shining by 8 a.m. & afterwards in sky half filled with great snow-white cloud masses drifting lazily before light southerly wind. Cicadas shrilling all day. No bird songs. Another shower 7 P.M.

Spent most of forenoon reading & writing in chamber. Also played Victrola for an hour in studio.

Mrs. French's weekly reception 4-6 P.M. About twenty came, mostly ladies, among them Miss Houghton of Boston - or rather she came to luncheon.

Mr. Bacon arrived from New York at 5.30 to spend night. He, Dan & I sat in studio through most of evening talking & playing a few records.

Mrs. F. & Margaret motored over to Stockbridge to see a moving picture show.

A few Warblers & one Bobolink heard flying about 10 P.M.

Glendale - Cambridge

Ther

Saturday, Aug. 25, 1917

Wea

Fair

Brilliantly clear, rather warm, very humid. Light westerly wind. Everything looking as fresh in early morn having been washed & freshened by last night's shower.

Packed my trunk after breakfast & then went with Ross to see his meat station garden. Mrs. French motored with me to Stockbridge where I took 11.10 train for Pittsfield. On reaching there learned that former noon train had been taken off East May. Next train, due 1.42, came in 40 minutes late & lost 20 minutes more on way to Worcester. After passing Newton it slowed down to trolley car speed & then stopped for half an hour somewhere near Cottage Farms after which it crawled on at snail's pace to Hinghamton River Station where I left it to finally reach home about 8 P.M. very weary.

Sad news came from Bessy yesterday. Her cable message, telegraphed by G. to me at Glendale last night, read simply "Hamilton has joined Howard". The former was killed in France on Aug. 16, 1917. I learn now from G. to whom his loss will be a heavy one.

Cambridge.

Ther Sunday, Aug. 26, 1917 Wea
Superb

Brilliantly clear & deliciously cool with fresh, bracing N. W. wind. Cicadas shrilling by day, Tree Crickets out in great force after dark. Many Butterflies including one fine big "Milkweed" visiting our garden flowers which are now looking uncommonly well. Counted nine Green Frogs in pond by Museum, all grown from aquarium tadpoles of last month.

Garden birds. 3 Robins, an unidentified Warbler, a Goldfinch singing sweetly, 2 Chippies in potato patch, 2 Grackles on lawn, 2 Flickers calling, a House Sparrow (only one) a Swift heard at evening, a young ♂ Oriole in jungle & an adult uttering his bugle calls somewhere across Sparks St.

Spent most of day in Museum, writing letters. G. went in to see Church with Dr. J. Fuller. Harry Bartlett called in late P.M., staying about an hour. *Viola muscicola* in hall after supper. Both dogs with us there.

Cambridge - Concord

Ther Monday, Aug. 27, 1917 Wea
60°-75° Perfect.

Altogether cloudless with light westerly wind. Cool at noon & eve, summer-like warmth prevailing through mid-day hours. Cicadas shrilling freely. Tree Crickets at Concord after dark but all remote from house, the sprayed areas near it being apparently wholly without them.

Garden birds, Cambridge. Very few, a Robin, a Flicker, an Oriole & a Goldfinch being all I noted during the whole forenoon.

Farm birds, Concord. A Cat-bird & a Maryland Yellow Throat near bird bath, a Robin flying across open field, a Chickadee in Cedar Park and an unidentified Warbler in oaks behind barn were literally all I saw or heard, 4-6.30 P.M.

Leaving Cambridge at 2.20 Gilbert & I, with Jimmy, motored to Concord via Arlington, Lexington, Bedford. Reached Farm about 3.45. Roamed about it until towards sunset. Everything flourishing. Great show of ant. flowers, Zinnias, Phlox, asters etc.

Concord - Cambridge

Ther Tuesday, Aug. 28, 1917 Wea
Perfect

Cloudless & p.m. Seasonably warm
with strong S.W. wind but no
oppressive humidity.

Farm bird. A Robin, Cat-bird, Chaffy,
Red eye (Singing freely), Oriole, several
Goldfinches (at sunflowers) & Maryland
Yellow throat (at bird bath) a few noisy
crows decimating our corn & one or two
jays screaming afar off were all the
birds seen or heard anywhere near
our house. An Oven bird in Run &
a brood of at least 8 young Partridges,
2/3 grown, with their mother, flushed
by "Jim" on a knoll near Pulpit Rock
where most of them fled after flying
only a few yards. No passage migrants
to be found anywhere, even in Birch
field, although I heard Warblers calling
overhead at 10 P.M. last night.

Spent forenoon at Farm doing our
work for men etc. Walked to Birch field &
through Berry Pasture. Returned to Cambridge
(1.45 - 3 P.M.) via Bedford, Burlington & Arlington.

Cambridge

17 Ther Wednesday, Aug. 29, 1917 Wea
85° Fair

Sunny but hazy, very warm & humid.
Precipitation of heavy showers, one following
another clearly, 6-10 P.M. This rain
much needed.

Garden birds. 6 Robins, 2 Crows (Mniotilta),
2 Red-eyes, a Yellow Warbler (8 juv.) & Gray
warbler (8 juv.) assembled in flocks at
6.30 A.M. Later heard 2 Jays &
a Flicker calling there. Thus far I
have not noted a single passage
migrant belonging to a species which
breeds only to the northward. All
such, moreover, have escaped my net in
at Concord & Glendale, as well as
Cambridge. Yet very many of them
should be flying southward by now.

Spent day in Museum, waiting
letters. Mr. & Mrs. Adams Bartlett
came with Alice Bartlett at 5 P.M.
to call on me especially. Mr. Bartlett
threw through garden & fledge.

Cambridge - Boston

Ther Thursday, Aug. 30, 1917 Wea
Fair

Weather conditions much like those of yesterday & not an oppression especially in the forenoon. But there was only one shower shown this afternoon & it lasted scarcely more than half an hour (5-5.30).

Garden birds. Heard an Oriole & a.
Downy Woodpecker. Saw 2 Swifts flying
low over Hubbard Park at 4 P.M.
Nothing else noted.

Wrote for an hour after breakfast
& then went in town. Spent several
hours at our office seeing Thos. Gallows,
Darling & Miss Waller. Sold "rights"
on 70 obs. N. E. Feb. & Feb. 20 90. They
brought 2.50 when first offered a week or
two ago. Bought three glass pictures
& three flower vases for present at
Janes Mc. Duff & Strattons & delivery
of "Patience Worth" at John & Lemuel's.
Home by 4 P. M. Mr. Scudder
called soon after supper & stayed
upwards of an hour.

Cambridge.

Ther Friday, Aug. 31, 1917 Wea
Perfect

as is. Brilliantly clear & just agreeably cool.
Light, very westerly wind.

Cicadas shrilling by day; Tree Crickets in full chorus after night set in. There must have been at least 25 or 30 of them fiddling ceaselessly in trees & shrubbery close about our house.

I have not heard so many there for many many years, and never more; perhaps, this must be because we have none no praying for two years past.

Warbler birds continue scarce with
total absence of more northern breeding
species. Working through jungle all day
& found them 2 Minutias (one chased
the other on wing), 2 young ♂ Orioles
rich autumnal plumage (thrusting their
heads into tufts of leaves in the top),
1 or 2 Robins (on ground in dense under-
growth), 1 or 2 Jays (near road), 6 Swifts
feeding rather high in air at 5:45 P.M.

Spent forenoon in Museum, packing
and afternoon went back out at 2 o'clock & was
there till 5 o'clock. Took in the morning
some more birds ordered from Wagner &
which I have offered to deliver to the Museum.

visited Widdowes - Keble
 went to museum. Called home at 5:30 P.M.
 went to street & dominions

Cambridge-Concord

Ther 60°-65° Saturday, Sept. 1, 1917 Wea Rainy

Sunny in very early morn, cloudy after 8 a.m., raining 11 a.m.-5 P.M. for the most part steadily but not heavily. Cool with light easterly wind.

Cambridge Garden birds. A Robin & a pair of adult Goldfinches, the latter eating sunflower seeds.

Concord Farm birds, a Maryland Yellow-throat, a Catbird, a Flicker, a Bluebird, a Barn Swallow & a Swift seen near house, Crows cawing further off. The Swallows & Swift flying low southward, apparently on migration, 4 P.M.

Leaving home at 11 a.m. Gilbert & I, with Irish terrier "Jimmy", motored to Concord to spend next two months at the Farm. E. R. S. also departed, by noon train for Lancaster, leaving C. to spend next week alone with Charlotte in Cambridge. The rain kept me in doors at Farm most of P.M. but I strolled about near house & also went to Rutkin place for baling apples. Great show of Jimmies & phlegm now

Concord

Ther Sunday, Sept. 2, 1917 Wea Fair

Early morn cloudy. Rest of day sunny warm & humid with light southerly wind.

Obvious dearth of small birds and seeming total absence of all the more northern-breeding ones usually passing southward on & before this date. I saw or heard to-day half a dozen Robins, a Catbird, a Towhee, a down Chaffin, a Tanager, several Jays, many Crows, a Flicker, a Hairy Woodpecker, a Barn Swallow, an Oven bird (its flight song heard at eve.) and upwards of a dozen Black-thr. Green Warblers (ad. & juv., scattered in white pine & cedar woods).

The incessant clamor of Crows attracted to down our corn overcame my reluctance to use a gun on Sunday so I started in pursuit of them at 9 a.m. Shot at 3 in run, killing one, wounding another, missing a third. Also killed a Gray Squirrel. Collected & ate my dinner alone Gilbert having taken Ford car to Concord for repairs. Spent whole afternoon in woods, with Jimmy. (Birds Fed & Thistle feeders)

Concord

Ther Monday, Sept. 3, 1917 Wea
Time

Clear, warm, almost windless throughout
& wholly so at times.

Farm birds. 30+ Robins alighting but for a
moment in dusty old elm & then dashing
off all together North westward; 30+ Starlings
flying N. E. over orchard; 4 Scuppers mig. S.
at 7 a.m. & 8+, with 2 Barn Swallows, in
feeding flight over flower garden at 3 P.M.;
a Cat. bird a Song Sparrow & a Towhee,
near head of lane; 2 young Orioles, ♂ & ♀,
in bird bath together at noon; a Chestnut
side Warbler & Redstart, both juv., in
Berry Pasture; ♂ Cooper's Hawk skimming
swift & low over field front of house at
5 P.M.; noisy Crows in run & cone;
King bird. heard near house.

Swarms of Butterflies (mostly argynnis,
about Junias. Two Cuckoos plenty in
Berry Pasture but none near house.

Spent most of day in doors with
Loelle, tobacco's mason, who came up
to renovate our fire-room fireplace.

Junius & I went to Rethin place on a
fruitless Crow-hunt at 8 a.m. & through
Berry Pasture shortly before sunset.

Concord. Scarcity of small birds.

Ther Tuesday, Sept. 4, 1917 Wea
Coon Tracks Time

Clear & cool with light northerly wind.

Junias, asters & Phlox about at best &
making gorgeous show of brilliant color.

Innumerable Butterflies of various kinds &
swarms attracted by these flowers are constantly
floating & hovering about them but there are
no Hummingbirds. Heard autumnal calling
of Hyla once.

Bird life of almost every kind scarce
or wanting. Pulpit Rock woods covered
in harbor only a Chickadee & a Hair W.,
Birch Field nothing besides a Towhee &
one or two Jays. Near our farm house
I saw one Robin & heard a Cat bird
mewing in evening twilight. There were
also a few Cawing Anas & screaming Jays
along the neighboring woodland outskirts.

A Raccoon of the big largest skin has left
clear, if somewhat old, footprints along margin
of shallow pool below orchard slope.

The first Crow I shot at Sunday morning was
found dead to-day by George - about 200 yards
from where I shot & shot him.

Monsen & his son began work this morn.
on a driveway entering Pulpit Rock woods from
Rethin Meadows. I spent most of day there
with George & John, who moved back.

Concord.

Ther Wednesday, Sept. 5, 1917 Wea
Fish Hawk & Night hawk mig. Fine

Brilliantly clear with light N.W. wind.
Warm through middle of day, cool at
morning & eve.; how frost in Carlisle
lowlands at sunrise, Teph reports.

All conditions seemed right for a heavy
influx of northern-breeding Warblers such
as usually pass here about this time. but
not one could I find in our orchards,
the Run, Pulpit Rock woods, Birch Field
or elsewhere. Nor were many small local
breeding birds to be found for the list
of them includes only a Robin on lawn;
a Cat bird & a Towhee in lawn; a Maryland
Yellowthroat, ad B, giving flight song full but
faint near cow pasture 4 P.M.; 30+ Crows
flying S. at 8 a.m. half a dozen or more Crows
Besides all these & evidently migrating at
the time, were a Fish Hawk that passed over
at 8 a.m., flying straight S. with crests
flapping so high in air he looked no bigger than
a Pigeon, and a Night hawk Taking down
cattle at 4 P.M. less high but fully 100 yards
above the tree tops keeping directly on for
most part but once catching back & apparently
capturing a bug or two by repeated buzz.
Spent day with the men in Pulpit Rock
woods. Mowbray & son working on cedars,
Teph & George cutting down big pines & oaks.

Concord.

Ther Thursday, Sept. 6, 1917 Wea
Blue Jay migrants Dull

Dark cloudy with strong southerly wind.
Light shower of short duration at noon.
Rather cool & very damp.

Continued scarcity of birds of almost every
kind. Blue jays, however, appearing in
considerable numbers, doubtless coming
from further north. Heard them screaming
all morning & about with a noisy company
of 10 or a dozen in the Run. Literally
no Warblers seen a few D. virens in
woodland & not a single Sparrow of
any kind about the farm. Cat birds
mewing as usual in dooryard shrubbery
& Brown Thrasher calling in Cedar Park.
Brown Creeper, doubtless local-bird, in
Pulpit Rock pine woods. A single
Swift mig. S. at 8 a.m. Small flock
of Starling, passing on wing. No big birds
except Crows.

Spent much of day working in flower
beds close to house. Jimmy & I went several
times to Pulpit Rock woods where Teph
was felling big oaks. Mowbray & son chipping
will at edge of Rhodora meadow.

Concord

Ther Friday, Sept. 7, 1917 Wea
Perfect.

Brilliantly clear & somewhat more than
seasonably cool with fresh N.W. wind.
One Crows Shrike.

Still no trace of any small birds
obviously coming from further north.
The only Warblers of any kind that I
could find were 2 Black-thr. Greens &
an Oven bird. The only other small
birds encountered during several woodland
walks were a Phoebe & a Chickadee.
Our dooryard was however enlivened
by the presence of rather many birds
evidently attracted thither partly by the
bath, also by abundant elder berries now
nearly or quite ripe. The bathing birds
included 4 Chipping, a Cat bird, a Goldfinch
& a 2 juv Maryland Yellow-throat; the berry
eaters 5 Robins, a Brown Thrasher, a Cat bird
& a Cedar bird.
Jimmy started 3 young Partridges near
Pulpit Rock. All three "tired". I forgot to
mention a Tanager seen there in a pine.
Except for some yellow on belly & a little
greenish on back, his body plumage was
uniformly scarlet & head & neck wholly so.
Spent most of day in Pulpit Rock woods
where the men were working as before.

Concord, Cambridge, Boston, Manchester

Ther Saturday, Sept. 8, 1917 Wea
Windy.

Raining heavily at day break, moderately up to
9 a.m. Afternoon sunny but very cool.

Gilbert & I attempted to leave Farm at 9 a.m.
but Ford car balked so persistently that we
had to summon someone else by telephone.
They soon got us started but not until
10.30 so we did not reach Cambridge much
before noon. I dined with G. in our Pease
Room. She seemed in good spirits but was
very depressed yesterday, Charlotte says.

Went in town about 2 P.M. & spent
about an hour at our office where I drew
a cheque for Mass. inc. tax bill & dictated a
letter to Judge Abbott. Took 4.27 train
for Manchester where Dick & Anna met me
with a Cadillac & we were soon at his
house. Strolled about neighboring roads
until sundown & spent evening in party
with family & guests - now including
Miss Douglass and the two sons
Dick & Alison with their wives, also three
children & Edmund's son, a remarkably
handsome & winning boy. We all talked
in customarily unbroken train.

Manchester.

Ther Sunday, Sept. 9, 1917 Wea
Glorious

Brilliantly clear with fresh cool E. wind
& warm sunshine. Ocean rich purplish
blue with small white capped waves.

Manchester birds. A. Chippy on
lawn, a Hummingbird (W.T.) in flower
garden, a Barn Swallow & Chipping Swift
on wing, 8 Sandpiper & 6 Semipalmated
Sandpiper on beach, Am. Scoter in water
close to shore & Old Squaw close to island,
a few Herring Gulls.

Dick & his son Dick went to church
in forenoon which I spent partly by a
short, solitary woodland ramble, partly
talking with Miss Longfellow on piazza.
A bi. plane flying very high passed S. at
11 a.m. It looked very like a flock of
Geese in narrow formation.

We dined on piazza, with all the
children. Miss Longfellow & Mrs. Alston Dana

Dick & I spent afternoon in his woods &
in the Dunes' flower garden, now as well
oared for as ever, fully developed along lines
planned by Gardiner Dunes & the most
beautiful one of its kind I have ever seen.
Called on Mrs. Lane at 5 P.M. & had
afternoon tea with her & several others
including Susan Beveridge. Spent evening
in Dana parlor with family.

Manchester. Boston. Cambridge. Concord

Ther Monday, Sept. 10, 1917 Wea
50° (sun), 38° at 10 P.M. Fine

Early more cloudy. Rest of day brilliantly
clear with strong, chill north wind

Cambridge Garden birds. 2 Robins, a
Redstart in 9 pl., a Red-eyed Vireo and
3 ad & Goldfinches feeding on Sunflower
seeds.

Left Manchester by 9.31 A.M. train
reaching Boston at 10.40. Albert Brown
joined me in smoking car. Spent an
hour at office where I saw Arthur,
Darling & Galloupe. Home in time
to dine with C. in her Parlor Room at
1. She seemed miserable & depressed.
Ordered 5 tons furnace coal for Mrs.,
from Wellington & Burt, by telephone.

Started for Concord at 3.30 the car
behaving badly & halting again.

Went by usual route via Arlington
& Lexington. Saw 2 Field-bill Grebes
in Black's Wood, Fresh Pond.

Reached Concord in time for short walk
before sunset. Very cold & windy
there.

Heavy killing frost

Concord.

Ther Tuesday, Sept. 11, 1917 Wea
28°. First northern breeding Warblers Fine

Brilliantly clear with light northerly
breeze. Hard frost over night water in
ponds & freezing to window glass thickness.
Immense damage to tender flowers &
vegetables but some of ours in
shrubbery plants escaped all harm. Grapes
not little injured. Corn mostly ruined.

First obvious south-bound flight of
Warblers breeding further north. Small flock
of them ranging along edge of Run near
Pulpit Rock & thence into Birch Field
containing a Nashville, Cape May (♀ juv),
2 young Black. jacks, 2 do Bay. breasts,
one Black-burnian (♀ juv), a Minstrel, a
2 Redstarts (one ad ♂), 1 Black. thr.
Green. Four more of left-named species,
a Peewee, 4 Chippies, a Song sp.,
a Towhee, 3 Robins, 3 Cat birds & a
Brown Thrasher, in or near dooryard.

Spent much of day in house
working. In woods at Pulpit Rock &
Birch Field 8-10 a.m., 2-4 P.M.

Jimmy with me both times. He
seemed spiritless then & is obviously
ill. This evening with fits of nausea,
shivering, & stomach pain.

Concord.

Ther Wednesday, Sept. 12, 1917 Wea
32°. Remnant scarcity of small birds Fine.

Cloudless with light S.W. wind. Early
morning almost as cold as that of
yesterday with hoar-frost whitening grass.
Middle of day delightfully warm with
Cicadas "frying". Evening calm & mild.

Comparatively few birds seen close about
house where a Titmouse, a Nashville, &
1 Black. thr. Green Warblers visited the locusts
at 7 a.m. while 5 Robins, 3 Cat birds
& 3 Cedar birds were feeding on elder
berries & a Maryland Yell. thr. flitted thro
flower bed in which were also 3 Peewee
birds. The flowers attracted a Heron
later. Brown Thrasher near yard & corner
& half a dozen Chippies in orchard.
Nighthawk flying high W. 10 a.m.
Woodland barren of all bird life save
for an occasional unseen chirping Warbler.
No bird of any kind to be found in Birch F.
Jimmy started 2 young Goshawks in Run.

Spent most of day in Pulpit Rock
woods. Gray & Zeph cutting down trees,
Morton & I on working on roads.
Jimmy with us all P.M. He is much
better although still weak & spiritless.

Concord

Ther Thursday, Sept. 13, 1917 Wea
5- Deer in Lawrence's field. Perfect

Cloudless, quite windless, very warm - altogether a simply perfect early autumn day but of the weather-braking type. Cicadas shrilling. Many mosquitoes somewhat troublesome. Butterflies of several kinds swarming about such of our Fumias & others as have escaped the frost.

5- Deer seen together by Monson & his son at 6.45 A.M. - in Lawrence's peach orchard, rubbing at peaches in trees.

8 Robins on lawn; 6 Cat birds, with some of the Robins, eating elder berries; Swifts seen circling high; Bobolinks & Barn Swallows heard; several loud screaming Jays; 2 Tanager (one ad ♂ in winter pl.) together in oak foot of lawn. Almost no Warblers - all I could find were a Black poll, a D. virens & a Minnetta (singing feebly at noon).

Spent entire day in Pulpit Rock woods where my four men were engaged on same work as yesterday.

Concord.

18 Ther Friday, Sept. 14, 1917 Wea
Perfect

In every respect as regards weather conditions to-day was a duplicate of yesterday & no less delightful.

Our dooryard literally swarming with birds at breakfast time & more or less all day. 4 or 5 Robins, 3 Cat birds, 2 Tanagers & a Brown Thrasher were all eating elder berries together at 8 A.M. when a Hummer was hovering among the flowers & a very yellow young Tennessee Warbler flitting about in lowest foliage within a yard of our plate glass window. A patch of yellow feathers adhering to glass showed where some bird had flown against it. Gilbert found the victim just beneath, a young ♀ Tanager evidently 4 or 5 months dead.

The woods harbored little bird life. Near Pulpit Rock I saw 5 Chickadees & a ♀ Redstart & heard a D. virens singing faintly. A Purple Finch also sang a little in Cedar Park.

Spent most of day with men walking near Pulpit Rock. Finishing with men all P.M.

Concord

Ther Saturday, Sept. 15, 1917 Wea
H. W. Henshaw arrives. Fine

Early morning densely foggy. Rest of day clear, calm, rather warm.

Only a very few birds & these mostly confined to our dooryard where there Cat. birds a few Chipping & one or two unidentified Warblers were flitting about & Crows cawing occasionally in the tops of neighboring trees. Our woodlands seemed utterly devoid of bird life save for the presence of rather many screaming jays, one Brown Creeper & a few Chickadees.

I also heard a Flicker calling down. No bird of any kind could be found in Birch Field usually so abundantly bird frequented at this season.

Spent most of forenoon with Ann near in Telford Brook woods. Henry Henshaw arrived from Washington at 1 P.M. We walked about the Farm & woods later & spent evening in parlors talking.

Concord

Nocturnal migration.

Ther Sunday, Sept. 16, 1917 Wea
Raccoon tracks Fine

Clear & cool with fresh N.E. wind.

Continued paucity of bird life. Indeed it seemed scarcer to-day than ever. In our dooryard I saw only 3 Robins, 3 Catbirds & a Towhee. The Run the Kitchen place & the Berry Pasture apparently harbored no birds whatever. Nor did we note a single one of any kind while motoring to Concord Village & back. Yet there was nocturnal migration in progress at 10 P.M. when on the coast of a few minutes I heard several passing Warblers chirping & twice the clear call of a Thrush, probably Turdus swainsoni.

Henry & I walked about Farm Kitchen place & Berry Pasture in forenoon. The muddy margin of pond in Berry Pasture thickly marked with foot prints of a large Raccoon, some old, others recent. We motored to Concord after dinner, calling first at home where we saw Jack & Sarah Anne, after words on George & Mary Ann Johnson.

Ther Monday, Sept. 17, 1917 Wea
Rose-br. Grosbeaks Fair

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Rose-br. Grosbeaks Fair

Two or three uncharacteristic notes that chirped. The insect was very noisy in the morning.

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Ther Tuesday, Sept. 18, 1917 Wea
 1/2 stormy
 1/2 fine

Ther Tuesday, Sept. 18, 1917 Wea
 1/2 stormy
 1/2 fine

Heavy N.E. rain storm beginning at 10 P.M.
last night lasted through forenoon to-day
but this afternoon was cloudless, calm
& of summerlike warmth & serenity.

Our dooryard thronged with birds through
most of day. There were 4 Robins, 6 Cat
birds, a Thrasher, a Towhee & a Rose br.
Grosbeak eating elder berries, a Flicker
eating barberries, a Black-poll, 4
Chippies, a Song Sparrow & a handsome
ad. ♂ Goldfish in unchanged nuptial
pl., bathing in the bird bath.

The Grosbeak kept up his low whining utterance ceaselessly. It seemed to us most like that of a hungry puppy.

A small mixed flock in Cedar Park included a ♂ ad Cape May Warbler & at least 3 Redstarts (one adult ♂).

Scammon's Hawk in Bush Field.

Spent forenoon on dock. Walked through Birch Field & Prescut farms with Henry & Jimmy as late P.M. starting no less than 8 Partridges.

Concord

Ther 84° Wednesday, Sept. 19, 1917 Wea Perfect

Clear, windless, very warm for season in fact a summer like day. Little autumn coloring as yet seen. That contributed by person ivy which very generally is glowing with brilliant tints. Here & there a maple branch has turned. Golden rod bloom about at its best now as is also that of N. E. aster.

A young Black Snake about 2 ft. long but no thicker than my little finger, found by Gilbert in our house cellar. I caught & liberated him outside.

Not many birds. 3 Cat birds & a Brown Thrasher were all that came to the elder bushes where fruit is now well-nigh exhausted. A Blue Jay took a thorough bath at noon in our basin, screaming all the while at the top of his lungs. Several Chaffins & a Song Sparrow also bathed.

Spent most of forenoon working in flower garden with George. Part of afternoon then alone. Had two roundwood baskets with Jimmy. He tried 2 Gray Squirrels one of which I shot with rifle. Henry went to Fitchburg to see his mother.

Concord.

Ther 84° Thursday, Sept. 20, 1917 Wea Various
Fox raids our poultry yard.

Forenoon sunny, calm, oppressively warm & humid. Heavy thunder shower 1-3.30 P.M. After that sunny again.

A Robin, Brown Thrasher, 3 Cat birds & ad ♂ Towhee eating elder berries in dooryard. 4 Chaffins bathing. A ♀ Towhee, a Grosbeak & a young ♂ Towhee in matted grass frequenting lawn. Small flock of Robins in dooryard also included a Redstart ♀ juv. & a juv. ♀ Wren. Woodland apparently devoid of bird life save for a Brown Creeper & sev. Jays. Crows causing noise about farm all day.

Burbank reported this morning that 9 chickens had been killed last night. Henry & I went at once to the spot. 8 birds lay close together within a few feet of enclosing wire fence. When a hole had been scraped in earth beneath. Tufts of yellowish fur, fox like in character, clung to lower edge of wire where the creature had pushed his way through. No one of the 9 dead chickens showed any obvious mark of teeth or claws. How they were killed is a mystery. 6 were missing. I found Plymouth Rock feathers scattered here & there along path thro' field. These words.

Spent much of forenoon in woods & garden. Mrs. Melvin called. Henry went to Winchester to see his sister Anne.

Concord

Ther Friday, Sept. 21, 1917 Wea
Fair

Early morn cloudy as well as densely foggy with distant thunders & a light sprinkle of rain drops. Remainder of day sunny, calm & very warm.

The halting autumnal voice of Pickering's Hyla is now a frequent sound but the shrilling of Cicadas seems to have wholly ceased. The Crickets & Field ones still keep up a constant din. The wing foliage about at its best & very brilliant. Abundance of ripe peaches & grapes nearly ripe.

Cat bird (at least 3), a Robin, several Chaffins, a Black jacob & a Black thr. Green Warbler, flitting about dooryard. 2 Towhees in lane. 5 Jays suspiciously haunting outskirts of yellow corn field at Retchie place.

Bluebird in almost full song thru 4 P.M. Crows cawing all day long.

Spent most of day working in flower garden with George. Two woodcock stalked with Jimmy. Shot at Gray Squirrel with 20's. but failed to kill him. Percy telephoned that I have been drawn on Grand Jury for first Monday in October. Henry returned to McHenry on forenoon.

Concord

Heavy nocturnal flight of Warblers & Thrushes. Last night.

Ther Saturday, Sept. 22, 1917 Wea
Fine

Brilliantly clear & deliciously cool with fresh northerly wind. Typical mid autumn day.

When I stepped out of doors at 10 o'clock last night & again at 1 o'clock this morning Warblers & Thrushes were passing overhead in such numbers that the calls of both came to my ears every other second. Such evidently an exceptionally heavy nocturnal flight was there in progress yet not one single Thrush or Warbler could be found in our woodlands to-day. Henry H. saw half a dozen Yellow-rumps in Benson's pasture, however, & with them about 70 Chaffins. We started at least 40 of the latter from woods in our Penikese hill. I heard a Pine Warbler singing solo once in the white pine that shades the house.

Spent much of day picking & sorting peaches. Mr. Hutchins called at 9.30 to ask if I would sell Retchie place to a Mr. Garfield grandson of former President. Told him "I would consider it."

Henry & I started to Concord at 10.30 called on Fanny Randall at home & brought her back to the October farm. He later went to village center. Two woodcock stalked with Jimmy. Shot a Gray Squirrel in tall oak forest of lawn & he was shot & to death.

Concord

Ther 38°
 Sunday, Sept. 23, 1917
 R. H. Dana arrives
 Wea Superb

Brilliantly clear with light, cool
 N. E. wind dying at sunset.
 Light frost last night with every
 indication of heavier one to night.

Bird life at very low ebb. Woods
 & fields alike birdless for most
 part, save for a few Crows & Jays.
 One Robin, 2 Catbirds, a Junco,
 a Peabody bird & a ♂ Downy in
 or near dooryard. 2 Towhees in
 Buzz Pasture. Nothing whatever
 seen or heard along river from
 Holden's to Davis' Hill.

No nocturnal migration last
 night or this. What can
 have become of the hordes
 of south bound migrants usually
 passing at this time of year?

Dick Dana arrived in his
 motor car at 10 A. M. He, Henry &
 I had a short walk for dinner
 & after it went over the usual
 route to Ball's Hill via Holden's Hill
 & back by Davis' Hill. Spent evening
 in parlor, talking.

Concord

Ther 28°
 Monday, Sept. 24, 1917
 Second killing frost.
 Wea Fair

Sunny but hazy & more or less thin
 cloudy. Cool with light easterly wind.
 Heavy frost last night. It encrusted
 everything at sunrise, even the foliage
 of tall trees. All tender vegetation
 killed. Our fine grape crop ruined
 and thirty or more bushels of ripening
 peaches spoiled. Yet the temperature
 fell no lower than on the 11th when
 far less damage was wrought.

In our dooryard 3 Catbirds, 3
 Song Sparrows; in orchard 12+ ^{3 Catbirds} Chaffins,
 at Fletcher's place, 3 Towhees, 2 Catbirds,
 3 Peabody birds, 2 Song Sparrows.

Only Crows, Jays & a Hairy Woodpecker
 in woodland. No Warblers anywhere.

Dick Dana returned to Cambridge
 this noon. Before then, he, Henry
 & I took a short woodland
 walk. In afternoon I superintended
 apple picking and did a lot of
 telephoning. Mr. Joubert takes promise
 to write a letter expressing my indebtedness
 to service on June 14. He. Spelman who came
 to serve on June 14 for me & back after.

Extreme dearth of bird life Concord

Ther Tuesday, Sept. 25, 1917 Wea Perfect.

Clear calm deliciously warm day following an almost but not quite frosty night.

Never before have I known birds of almost every kind so very scarce at this place & season. One or two Cat-birds in one dooryard, a few Chipping in the orchard, a pair of Juncos in the lane, a Towhee & a D. virens in Cedar Park, 2 Brown Crows near Pulpit Rock and half a dozen noisy Crows were literally all I noted to-day.

The Juncos were apparently both adult & a nested pair presumably the same noted on 13th & 14th. The ♂ had jet black wings & tail but no red feathers. He kept uttering a low, tu-re call very like that of a young bird & frequently when he crawled on a branch & quivered his open wings when the ♀ approached & fed him. This I saw several times but could not recall what he gave him. I saw her full of several eggs. Several eggs from vine on wall - over our lane.

Spent more of day with Herbert & Tople who were walking along roadway in rain. Gilbert & Henry returned to their classes in forenoon.

Concord - Boston - Cambridge.

Ther Wednesday, Sept. 26, 1917 Wea Delightful.

Sunny but hazy, absolutely windless, warm as an average summer day. Cicada "frying" at 2 P.M. (Cambridge) Swamp maples ablaze in many long-lying corners but wholly green still in others.

Cambridge Garden birds. A Robin & 2 or more White-thr. Sparrows. Concord birds, A dozen or more White-thr. Sparrows, evidently just arrived, in our raspberry bushes.

6 Bluebirds flying high S. & I think migrating, at 5 P.M. 2 Cat-birds & a Junco calling in lane.

Henry & I took 8.06 train to Boston. Sat with Gen. Keyes who had much of interest to tell me especially about German plots etc.

Spent forenoon in office. Saw Arthur, Gallows & Darling, signed quarterly Cheque, bought 10 lbs. Ray Coffee at 25 $\frac{7}{8}$ or thereabouts. Took Henry to lunch at Armstrong's. We reached Cambridge by 2 P.M. Flowers blooming & grasses ripening wholly untroubled by frost. Motored thence to Concord 3.15-4.30 via Arlington & Burlington road.

Bought a new cow for (100) a few days ago but

Concord.

Ther Thursday, Sept. 27, 1917 Wea
2 Rabbits near Farm Barn. Delightful.

Duplicate of yesterday as regards weather being similarly sunny but hazy, almost absolutely windless, very warm.

Autumnal Calling of Hylas to be heard at frequent intervals throughout our woodland. This shows little brilliant coloring as yet save that of ivy & wood-burn foliage.

Extreme scarcity of birds continues unabated. In woodland I found only two or three Chickadees, a Hairy W. & a few Jays. There were 2 or 3 White thr. Sparrows along the lane and at sunset 2 Cat Birds & 2 Indigo birds calling in or near the dooryard over which, moreover, 6 Titlarks circled high at that same hour. A pair of Red shouldered Hawks soared & descended over Pulpit Rock woods this much of forenoon.

Spent most of forenoon in run near Pulpit Rock when I left out one or two woodcock & Mowson worked on Canterbury. Henry visited Benson's pasture for golf. Mowson saw 2 Rabbits behind barn, 7 or 8 at

Concord.

Ther Friday, Sept. 28, 1917 Wea
Woodcock in Berry Pasture. Various

Forenoon rainy, afternoon sunny. Warm & humid with fresh S. W. wind. Tree Crickets chirping briskly at nightfall.

Small birds scarcer than ever. Not one seen or heard during morning walk to Pulpit Rock or at sunset when Henry & I strolled slowly through the Berry Pasture when, however, "Jimmy" started a Partridge & a loud-whistling Woodcock both plainly heard but neither caught sight of by us. One dooryard birds seemed reduced in number & variety to a Chickadee, 2 Cat birds, 2 young Goldfinches & a Junco. Henry saw only one bird, a White-throat Sparrow, during a solitary walk he took in late P.M. through Horan's lane to Bigelow's Brook meadows. Even in birdless Italy one might hope to have better success than this. There can have been of the hordes of migrants that passed north-bound last spring. I have heard none passing at night of late. Spent most of day in house writing. Walked to Pulpit Rock & a.m., then Berry Pasture 5-6 P.M. Henry noticed a Woodcock in forenoon.

Concord

Ther Saturday, Sept. 29, 1917 Wea
Slight increase of small birds Perfect

Cloudless, almost windless, comfortably warm with dry, breezy air.

Autumn foliage brilliant in places. Several red maples & many high blueberry bushes ablaze in Bay Pathway. Ivy & woodbine foliage at very best.

More birds to-day & were a few Warblers. Black-throated Green ♂ ad & Black-burnian ♀ juv. in big white pines near Pulpit Rock; Black-poll juv in Cedar Park. In our dooryard 10+ Chipping, a Song Sparrow, 2 Peabody birds, 2 Goldfinches & an ad ♂ Juncos (in winter pl.) were bathing at intervals this day. There were also 2 Cat-birds there & a Towhee heard calling in Birch Field. Henry saw a Phoebe in Benson's elms.

A Red-shouldered Hawk screaming, a Downy calling. 5+ Jays & a Cuckoo Phoebe in Ritchie Cornfield.

Spent forenoon near Spring where I took out one of superfluous trees. Came back with a blinding headache. It has troubled me much of late. Dr. Wentworth came down to see about it this morning but he found nothing to account for it. At 2 P.M. to go over Mr. Garfield called at 2 P.M. to go over Ritchie place. The house looks much

Concord More small birds.

19 Ther Sunday, Sept. 30, 1917 Wea
Light Warbler flight. Fair

Mostly cloudy with a few light showers but also with some bright sunshine.

8 or 10 White-throated Sparrows, several Chipping & 2 Cat-birds in our dooryard at breakfast time. An hour later

I started 4 Phoebe (an old cock & 3 hens) in the Ritchie Cornfield & also found in or near it 5 Jays,

4 Towhees & several White-thr. Sparrows.

Still later Henry & I came upon a small flock of Robins feeding on

gray birches in Cedar Park. It

included 3 Cape Mays & 2 Magnolia

Warblers, all young birds. One of

the Cape Mays was a juv ♂ very

yellow beneath; the other two

showed no yellow whatever but

differed in marking of under parts,

which in one was very pronounced, in

the other less noticeable.

Spent most of day in house

writing letters. Took a short walk

with Henry after breakfast. Telephone

talk at eve with C. who seemed

depressed.

at 10 P.M. Heard a Night Heron call once

Concord

Ther

Monday, Oct. 1, 1917

Wea
Glorious

Brilliantly clear with high, cool northerly wind. Just comfortably warm this day.

Autumnal coloring improving daily. Ivy & woodbine foliage still glowing, that of red maples about at its best. Hickories & Sassafras making a fine show.

Not many birds. 8 or 10 White-thr. Sparrows raiding grapes & 2 Cat birds still frequenting dooryard shrubbery. Solitary Robin in Cedar Park. 2 Yellow-rump Warblers, 2 Chickadees, several Jays & a few Crows seemed to represent all the bird life of our various woodlands.

Spent most of day at or near Barrett Spring where Leph was cutting trees, Moulton & his boy working on a roadway.

Gilbert motored to Lancaster with fruit etc. Henry went to Boston.

I shot a large Gray Squirrel on lawn at noon.

Concord - Cambridge

Ther

Tuesday, Oct. 2, 1917

Wea
Perfect.

Brilliantly clear with fresh, cool N.W. wind. Autumn coloring now at maximum of first stage & very beautiful.

Cambridge Garden birds. 3 Robins, a Scissortail Thrush, 2 or 3 White-th. Sparrows, a few Sapsucker (showing no red on head) in Gravenstein apple tree.

Concord Farm birds. 2 Cat-birds, a Solitary Vireo & half a dozen White-th. Sparrows, in dooryard; 3 juv. Sapsuckers & Partridge in oak scrub near spring; 2 House Wrenblers & a Redstart in Cedar Park; 14 Rusty Blackbirds flying low southward, calling, at sunset.

Henry & I motored to Cambridge (10-11.15 a.m.) via Concord, Sandy Pond, Lincoln, Peabody, Waverly & Watertown. Spent an hour in Garden & in calling on Miss Howard & Walter Deane Lounsbury at "Cock House". Called on Sam Hurdston at Museum 1.30-2.30. Back to house. Dig potatoes & find them fine looking. Returned to Concord (3.4.15 p.m.) via Watertown, Waltham, Lincoln, Sandy Pond. Walked to Beech Field before sunset. 50+ Black Ducks in Cambridge Reservoir (Holly Brook Reservoir).

Concord

Ther Wednesday, Oct. 3, 1917 Wea
Melanistic specimen of Storeria Perfect

Brilliantly clear & delightfully warm with fresh westerly wind. No frost since Sept. 24. Zinnias & other tender flowers which managed to escape that one are still blooming profusely about our house. The hardier kinds such as N. & E. asters & China asters are very brilliant & abundant.

Birds of almost every kind continue scarce or wanting. 2 Cat birds half a dozen White-thr. Sparrows, 2 Chipping & 3 Goldfinches in our dooryard; 2 Robins in Cedar Park; a Golden Crested Kinglet, a Brown Creeper & several small flocks of Chickadees, a few Jays & Crows; a flock of 5 Rusty Blackbirds on wing, a Yellow-rump Warbler, 2 Canada-Sparrows, House Wrens (Cincinnati) & a single Partridge, complete very late.

Sam Henshaw told us yesterday of a melanistic Storeria occipitomaculata taken recently at Kittery by Taylor & considered a great rarity. To-day I picked up one in a garden near Cape Rock & now have it in a glass jar. This is the first I ever saw. I kept it until yesterday when I took it to Green Field. Dr. L. H. Brown came to dinner. We had a walk after

Concord

Ther Thursday, Oct. 4, 1917 Wea
Goshawks (?) Dull.

Mostly cloudy with strong, gusty S.W. wind & two light, brief showers.

Very few small birds. Those seen in or near our dooryard were a Brown Thrasher (bathing at noon), 2 Cat birds & half a dozen White-thr. Sparrows. There was a single Yellow-rump in Cedar Park, a Towhee & 2 Partridges in Birch Field.

As I was standing in a wood road bordered by dense brush growth oak & pine cover near Barrett Spring an adult ♂ Red-throated Hawk glided low over me on its wings & just then was assailed by a smaller, long-tailed Hawk who dashed at it several times from above after which the two descended all manner of aerial twisting & curving just above the tops. This happened at 9 A.M. at noon I was passing through Cedar Park when a large, long-tailed Hawk which I took to be a juv. ♂ Goshawk came directly over me no higher than 25 ft. flying straight & singly. I shot at it as it passed & it disappeared behind some dense oak foliage. Several feathers floated down & the next instant I saw the bird, toppling in earth, and heard a hard hit. But it managed to keep on fully one of its legs then it ran. At 4.30 P.M. I started a much larger but extremely similar-looking Hawk from the ground in one of our morning fields near Robin Field. It landed as big as the biggest Red-tail & much larger than it. It alighted upon an apple tree among dense foliage & I failed to see eyes on it again.

Spirit within day in Birch Field when Tople, Monahan & Henshaw day & cut a lot of brush, ferns etc. to open a series of new roadways. Henry went to Henshaw's by trolley cars to see his sister.

Concord.

Ther

Friday, Oct. 5, 1917

Wea
Stormy

Raining steadily all day, lightly for most part but very heavily during a brief thunder shower at noon. Cool with easterly wind.

Dooryard birds: 2 Cat birds flitting hither & thither, mewing a good deal; 8 Chippies in bed bath together at approach of evening, despite chill air & falling rain; about 6 White-thr. Sparrows also bathing by turns & feasting on one few remaining, from bottom grapes; an unseen Towhee calling; several young Goldfinches, apparently not long fr. nest, following a parent bird closely & calling may be in front, plaintive tones.

In woodland no birds saw a few scattered Jays.

Spent most of day in house writing letters. Took Jimmy to Birch field after breakfast, to Retchin place in late P.M. They drove to Concord & walked back. Mowson began stone foundation for road that at Retchin place & worked at all day in farm.

Concord.

Ther

Saturday, Oct. 6, 1917

Wea
Fine

Clear, warm, windless. Weather - broader type of day.

Dooryard birds: 2 Cat-birds, 6 White-thr. Sparrows, 2 Chippies, a Song Sparrow, a Brown Thrasher, several young Goldfinches. All the Sparrows bathing together some time after sunset although the air was getting chilly then. This has happened repeatedly of late. Saw a young Sapsucker in an oak near barn. Heard a Solitary Vireo in orchard & either the Yellow-bellied or another was singing fully later in Pulpit Rock woods. 2 Towhees at Retchin place. 2 Robins alighting in Berry Pasture at sunset & I saw earlier in day, by Henry, at Bessemer. Two Red-shouldered Hawks soaring high & screaming loud over Farm at noon.

Spent most of day transplanting things with George's help. Henry went to Concord & brought me a lot of Solidago canadensis from Pond Brook. He & I with Jimmy strolled thro Berry Par. at sunset. A Partridge flushed down.

A Red Hawk passed near house at 7 P.M.

Concord

Ther

Sunday, Oct. 7, 1917

Wea
Fine

Sunny but very chilly because of low temperature combined with fresh S. & E. wind. White frost at sundown.

Maple, Kelling & Sumac coloring about at best

Dooryard birds: 2 Cat-birds, 2 Towhees, 2 Song Sparrows & at least a dozen White-throats with as many more in Cedar Park.

Swainson's Thrush at foot of lawn.

2 Rusty Blackbirds & half a dozen Jays in Titicut Cornfield.

Marsh Hawk ♂ ad. beating Horse Meadow.

Yellow Palm Warbler with Chipping & Bluebirds in apple tree by roadside, near Ace Corn.

Starting at 9 a.m. Henry & I with Gilbert & Jimmy motored through Concord to Nine Acre Corn & beyond - a very attractive ride albeit a chilly one.

In afternoon we took a walk through Horse Meadow, past Holdens & Ball's Hill, over Davis Hill & back this. Present farms & Birch Field.

Davis Swamp thickly sprinkled throughout with Poison Dogwood gorgeously colored. There used to be only two bushes of it there.

Concord

Ther

Monday, Oct. 8, 1917

Wea
Fair

Partly cloudy, largely sunny. Rather cool despite fresh southerly wind.

Dooryard birds: 2 Cat-birds, an uncertain number of White-throats Sparrows & Chipping (probably new for from a dozen of each species), several young Goldfinches, several Yellow-rumped Warblers.

At Titicut place 2 Towhees & at least 15 or 20 Jays the latter systematically raiding our yellow corn. One & all first alighted in big apple tree, then swooped down and picked a single kernel from the cob, without alighting, then flew off with it to nearby woods, returning frequently for another kernel. Altho' this has been going on daily for weeks the total damage is therefore trifling only a few cobs having been despoiled. A Rusty Blackbird also in the corn. A Pine Warbler singing faintly near Purple Rock.

We began picking Baldwin apples this morn. Burbank & Green picked all day from one tree & about 1/2 dozen up from 30 bushes. I picked them in P.M. Spent most of a.m. in woods with Jack. Shot Gray Squirrel. Henry went to Wrentham & Boston for day.

Brown Eagle.

Concord

Ther Tuesday, Oct. 9, 1917 Wea.
Cat birds eating snow berries. Dull & rainy

Cloudy & intensely chilly with strong, keen North-east wind which from 6 sunset brought rain that continued to fall gently up to 9 or 10 P.M.

Dooryard birds: 2 Cat birds, 12 or 14 White-throated Sparrows, several Yellow-rump Warblers & a Scarce Tanager (in green & yellow, etc.).

While we were at breakfast the Cat birds partook of them in the snow-berry bush directly before the window, greedily swallowing its large white fruit which I had not before known any bird to eat.

Few birds in woodland. Winter Wren heard tickling excitedly in brush pile near Pulpit Rock.

At 2 P.M. saw a large brown Eagle fly high eastward over orchard. A lesser bird that looked like a Drake Hawk swooped at it twice & then drifted off toward south. Spent most of day in Pulpit Rock woods with Jeph. Baldpate & George feeding Baldpate apples. Henry & Gilbert caught 6 Combs in 7 and 8 (9 a.m. - 1 P.M.)

Concord

Ther Wednesday, Oct. 10, 1917 Wea.
H. W. Henshaw departs. Dull.

A duplicate of yesterday in respect to weather conditions generally although the chill N.E. wind & lowering sky brought on no rain.

Dooryard birds: 2 Cat birds, a Tanager, several Yellow-rumps, about a dozen White-throated Sparrows, one Song Sparrow. Crows & Jays flying back & forth all day especially over near Concord at Ritchie place.

Winter Wren tickling in brush pile on hillside near Spring 9 a.m., a number of sounds heard in run at foot of lawn, 3 P.M.

Found two plucked out tail feathers of cock Partridge in wood road leading there from Ritchie place. There were also a few under tail coverts. Henry & I think either a Fox or a Horse tried to seize this bird but got no more than a few hairs.

Spent most of day in woods with Jeph. Henry called on Dexter & Charlie Carter after dinner & then took train for Boston to return to Washington Co. register

Concord

Ther Thursday, Oct. 11, 1917 Wea
Stormy

North-east rain storm, lasting through most of day but with little rainfall in afternoon and some clear sky showing at sunset when the wind shifted into N.W. & became even chillier than before.

In dooryard 2 Cat-birds, 3 Robins, a Swainson's Thrush with very buffy chest, half a dozen or more White-throat Sparrows, one Song Sparrow, ♂ & ♀ juncos. The Robins, the Thrush, the White-throats & the juncos bathed at frequent intervals especially just before & after sunset, when the northerly wind blew so keen that I wondered how the birds could thus enjoy such immersion.

In Cedar Park I found a lot of little birds at 3 P.M. There were at least 5 Robins, a dozen White-throats, a Juncos, a Towhee about 15 Goldfinches, a Ruby-crowned Kinglet & 3 or 4 Golden-crests.

At Ritchie place 3 Song Sparrows, 6 or 7 Jays, 15 Starlings flying low & swift eastward.

Spent most of day in house writing letters. Had 2 woodland walks with "Jimmy". In the chopping in P.M. only.

Concord There had been (harder) of all!

Ther Friday, Oct. 12, 1917 Wea
Autumnal coloring Fine

Forenoon brilliantly clear; afternoon more or less cloudy. Hard frost last night. Ground frozen to depth of two inches & everything white with hoar-frost, at sunrise, but mid-day hours were comfortably warm with a few Butterflies on wing. Almost all the tender autumnal flowers are now withered and our few remaining grapes & peaches ruined. The autumnal coloring is also well nigh gone & the leaves of my quarry trees including birches & hickories were falling all day. The coloring was at its very best & gentle of any autumnal brilliancy, last Tuesday. Summers & previous very contrasted largely to it this year.

Last night's cold snap seems to have banished our few remaining Cat-birds & Towhees as well as most of the White-throats. yet has brought us little or nothing new except perhaps a heavy flight of Starlings at which guns firing all day about the river meadows were presumably aimed.

I shot a Crow flying high over Ritchie's corner. Spent most of forenoon in woods with Tople. Drove down to dinner. We had a good long woodland walk & talk after it. He left about 4.30.

A sudden & swift transition during rain at 9 P.M. & later

Boncord.

Ther Saturday, Oct. 13, 1917 Wea
Perfect.

Brilliantly clear with fresh southerly wind shifting to northerly at evening. Midday hours warm with many yellow Butterflies & a few Dragon Flies on wing.

Renewed scarcity of birds. Many here a few days ago have evidently gone while there has been little or no increase from further north. Only 3 or 4 Robin thrushes, a Song Sparrow & a few Junco appeared in our dooryard. There were 7 or 8 Yellow-rumps & a Robin in Cedar Park & half a dozen Jays in Ritchie Cornfield. Elsewhere I noted a few Chickadees, a Creeper 2 Ruby-crowned Thrushes, one Gold. Crest.

About 3 P.M. I heard a Woodpecker tapping persistently in a dead oak trunk. Presently it showed its head (a. g. i.) at the entrance hole which was large, round & evidently that of a white flying squirrel. I flushed 3 Partridge & heard one drum.

Spent most of day with Jeff cutting out wood roads in Birch field & east of Green Field. Mrs. & Mrs. Darling called in late P.M.

Boncord. Call on Charles M. Carter

Ther Sunday, Oct. 14, 1917 Wea
Heavy flight Yellow-rump Warblers. Perfect.

Indian Summer day, cloudless and rather warm, with light westerly breeze. Chilly at noon & eve, however. Although the full glory of the earlier autumnal coloring is past much of it still lingers & some of the red maples are still at their best.

A heavy flight of Yellow-rumps around our night. They were to be seen scattered everywhere about the farm & were still more numerous in Cedar Park & the Run. Where there must have been 30 or more. With them there were a Ruby-crown Thrush & a handsome ♂ Black thr. Blue Warbler. Several of the Yellow-rumps, a ♀ Towhee & a young ♂ Sapsucker appeared in a locust tree within a few feet of my chamber window, as I was dressing this morning. The dooryard was enlivened by the presence of these warblers together with many Robin. The Sparrows & several Robins. At 10 a.m. I heard a Grasshopper (for first time this autumn) on the old wall at foot of Run. I walked to Ritchie farm, with Jerry, soon after breakfast. Spent most of a.m. on horseback working chert for bell. In P.M. called on the Carter. What's & spent upwards of an hour with my old friend Charles C. Mrs. C. their daughter, Mary, and her dear little daughter.

Concord.

Ther Monday, Oct. 15, 1917 Wea
Various.

Morning sunny & warm with fresh S. W. wind. Afternoon cloudy with several brisk showers, one accompanied by thunder & lightning.

Not many birds in evidence. The strong wind probably drove them to cover. At breakfast time I saw almost as many as yesterday, in the dooryard - mostly Yellow-rumps & White-throats - but after that only a few of any kind were noted. & these of no especial interest.

Jimmy flushed a Partridge in the Run & 3 Pheasants, 2 old Cocks & a hen, in Ritchie Cornfield. He also tried a

Gray Squirrel & almost caught it when I started the slender bird & forced it to leap to the ground. On reaching another tree trunk it slipped around, before climbing it & thereby badly saved its life.

Spent forenoon in woods. Bought some & Jeph handling out logs & posts for new wood shed at Ritchie place. George picking apples.

Mr. Garfield called in P. M. & we had a long talk. He wished to buy the Ritchie place but I have decided not to sell it. George saw a Fox in Cornfield this noon

Concord - Boston - Cambridge.

20 Ther Tuesday, Oct. 16, 1917 Wea
Perfect.

Cloudless with bright, warm sunshine and strong, cool westerly wind. A silvery mist veiling distant hills & woodland in early morning hours. Oak foliage matured within past day or two and now very brilliant when scarlet oaks abound. Birches draped in pale gold leaves, mostly still unshed. High blueberry foliage uncommonly handsome everywhere.

Leaving Farm at 8.45 I caught the morning train at Bedford & rode in it to Boston, talking with Geo. Keyes all the way. Spent most of forenoon at our office. Bought 20 lbs. North Butte @ 14. Stock market depressed & panic.

Dictated a letter to Blackwell who promised me his last year's rent by Oct. 1 but has not yet paid any thing nor has he answered a letter sent him a week ago. I wrote him in brief but decided terms to-day. Bought a small supply of winter bulbs at Tottier's. Bushed at Thompson's Spa. Had hair cut in Harvard Sq. by Mallet. Reached our place by 2.30. Only 2 Robins, 2 White-throats & a Yellow-rump to be found in garden. Almost every thing there damaged by frost on the 12th but grapes seem good & very good especially Niagara. Started for Concord at 3 P. M. & reached Farm at 4.15 going by way of Arlington & the Washington road. Saw a Green in the pond

(C. returns to Camb. for Bancrofts) Concord

Ther Wednesday, Oct. 17, 1917 Wea
Heavy flight Juncos & Robins. Superb.

Billieally clear & bracingly cool
with little or no wind. Hard frost
last night.

A heavy migratory flight of juncos
arrived over night. At sundown they swarmed
close about the house. I saw them every where.

Later scattered plentifully about our farm
lands & sparingly in woodlands also.

At 8 a.m. a scattered flock of migrant
Robins appeared on wing. As they
streamed past low westward over the
orchard I counted 50, roughly. A few
smaller birds, Bluebirds perhaps, were
in company with them.

Winter Wren & Ruby Crown, with many
Yellow-rumps, in Cedar Park. Sapsucker
heard tapping softly in elm. Red should
Hawk soaring, about noon. Partridge
drumming in mud Pile, apparently in Run.

Spent entire day out of doors, mostly
near Tulip Rock where Jeph Geop &
the Monks worked on a new wood
shed. Brown pruning apple trees.

C. & Miss Henders visited from
Bancrofts to Concord. They told us about it by tel. the evening

Concord.

Ther Thursday, Oct. 18, 1917 Wea
Dull.

Partly sunny, largely cloudy. Mild but chilly.
Light S.W. wind. Light rainfall last night.
Autumn coloring fading. Leaves falling
fast. Many maples ^{& hickories} already bare of
foliage. Birches still well clothed with
golden leaves.

Cedar Park alive with little birds
mostly Yellow-rumps, Juncos & White throats.
Among them Ruby Crowned Kinglets and
a Yellow Palm Warbler besides at least
5 Robins. Most of these birds also visited
the house, where I saw 4 Ruby-crowns
together in a barberry bush. They also
came into the dooryard (less numerous),
where a Chaffy appeared with them.

A big fruiting Chestnut in the Run
was thronged with Jays all day. They
seemed to be getting the nuts.

Heard a Flicker skimming feebly on Oak Hill.

Spent most of forenoon in house.
Trimmed 2 Gray Squirrels, soon after
dinner, in big hickory in Cedar Park. I
killed both, with 22 Cal. rifle one in birding
by way different than for it was in top
of tree jumped by wood. The other was down
in a bush. Found six more at them.

Concord

Ther 70° Friday, Oct. 19, 1917 Wea
Death of George V. Severett. Dull

Dark cloudy with strong S. W. wind.
Unseasonably & oppressively warm &
humid. Torrential rain, sometimes
about midnight - or perhaps later,
accompanied by thunder & lightning.

Birds in fair numbers, mostly
Yellows. warblers, White-throats & juncos,
with a few Robins & several jays,
frequenting Cedar Park & our
daisy and shrubby. Not many
chickadees.

Spent most of day in Pulpit Rock
woods & run where George & Toph
were splitting oak wood, Hubert
hauling out long pine trunks for
a wood pile foundation, Mouson
his son digging a well for spring
water.

Edward Everett telephoned me this
evening that George V. Severett died
in Boston last night. (See
obituary notice from Bos. Advertiser
pasted on last leaf of this diary)

Concord. Kingfisher devoured by Fox.

Ther Saturday, Oct. 20, 1917 Wea
Fine

Clear & cool with fresh northerly
wind. Leaves of forest trees whirling
down in golden & crimson showers.
Blueberry bushes still well clothed & brilliant.

A second herd of migrant juncos
just in from the North this morning.
Otherwise the bird life is & about
forms remains much the same as for
past few days. We still have Robins
White-throats, juncos, Yellow warblers
& a few Chipping sparrows in the
daisy and shrubby. Attracted by the bathing
jays & by a new by miller patch.

Saw a Yellow warbler eating from wing berry.

In Pulpit Rock White pine woods, near
highest of land, lying close together on
pine-needle-covered surface of ground in
wood road I found many feathers,
mostly wing & tail quills, of a Kingfisher
which had been bitten off near their bases
incidentally by a Fox. How could he have
captured such a bird in such a place?
I have occasionally seen a Kingfisher
in these woods, however, flying through
or over them.

Spent most of day in Run & Pulpit R.
woods with 4 men & 2 dogs. Hunting
tried a Gray on a hill & I killed it with

With numbers to Concord & Cape Cod

Concord

Ther Sunday, Oct. 21, 1917 Wea
Superb

Brilliantly clear & just comfortably warm or cool - with light westerly breeze. Everything white with hoar frost at sunrise. "Weather-breeder" sort of day.

Not many birds & then mostly confined to our dairy and Cedar Park where I saw several White-throats, & juncos, half a dozen or more Yellow-rumps, 3 Robins & a Golden-crest. There were a lot of Crows & 5 or 6 Jays hanging about the Ritchie Cornfield. George says the Crows are invading that part near road where there are no dead ones hanging up.

Starting at 9 a.m. I took Beardslee, Ieph & George to Holden's Ball's & Davis Hill & to Birch Island to look at wood lots which there seem very close for me this coming winter. Practically no small birds nest with chirping this week & absolutely none at Ball's Hill. Having flushed 5 Grouse & 7 Pheasants. The latter, 4 old cocks & 3 hens, were all. Gotten from dense brush on Oak Island. South of Holden Hill. Charles & Mrs. Carter came to drive with me. They left at 4 P.M.

Concord - Boston.

Ther Monday, Oct. 22, 1917 Wea
Superb.

Weather conditions closely similar to those of yesterday. Oak foliage now at its best and of uncommon brilliancy in many places. Maples mostly leafless.

Not much opportunity for observing Concord birds. Few about house in early morn. 8 Robins in lawn & Ruby-crown in Cedar Park, at sunset.

Gilbert motored me to Concord for 8.06 train. Just as it arrived I discovered that my hand bag had been left in Ford car so walked to village hoping to catch Gilbert there. Failing to find him I got to Tisbury Station in time to catch 8.25 train for Boston. Reaching there bought eye glasses at Lloyd's (mine having been left in bag) & spent forenoon in office. Bought a 1000 Liberty Bond for myself & ten of them for our Exeter. Breakfasted at Thompson's. To First Church 8.45. To attend Mrs. Leavitt's funeral. Finding it was to be at 3 P.M., instead of 2, & feeling giddy & otherwise ill I hurried to North Station & took 2.30 exp. for Concord. Where I met Mr. Collier at Dr. Wentworth's office & had some talk. He thinks our first & second winters are

Concord.

Ther Tuesday, Oct. 23, 1917 Wea
Fair

Forenoon sunny, calm & mild after
frosty morning; afternoon cloudy with
strong, chill N.E. wind.

Elm foliage still intact & uniformly
golden, very pleasing to behold.

Not many birds. 2 or 3 Robins, 4 Cedar
Birds, 2 Chipping, 4 or 5 Juncos;
about as many White-throats visited
our dog and to bathe in its pool.

In woodland I noted only a Cuckoo &
2 Hermit Thrushes together with a
few scattered Yellow-rumps.

There were Jays & Crows also, especially
about outskirts of Ritchie place where 4
men were harvesting yellow corn.
Here also were assembled a dozen or
more Crow Blackbirds evidently kept
from a tempting feast only by the men's
presence. All these birds very noisy.

Spent much of day in cornfield
assisting to limits of my strength in
harvesting the abundant golden ears.
Also pulled the quinces - a meagre crop.
Continued trenching from mud-pies.
Brown & man mowing orchard all day.

Concord

Ther Wednesday, Oct. 24, 1917 Wea
Stormy

Heavy rainfall all day accompanied by
strong northeast wind which, towards
nightfall & after it, attained, at times,
the force of a full gale stripping the
tops of nearly all remaining exposed
foliage & lashing even the stiffest of
them to & fro like slender reeds. Altogether
it was the most violent storm of the
entire autumn thus far. Despite it
Jimmy & I went to Green Field soon
after breakfast, he returning drunk
& forlorn. I was out again towards
evening to pick up a bushel of
Northern Spy apples shaken down by the
gale. It seems wonderful that the most
of them still cling to the trees.

Saw only one bird all day - a Chickadee.

Writing letters in forenoon when
"Nelson" called to talk about road.
The afternoon taken up by two callers,
Garfield who strongly desires the
Ritchie place, & Sewall who took
my subscription for 2 \$100 Liberty Bonds.
I told Garfield I might possibly let
him have the Ritchie place & part of land
on a three year lease. He can have
one "think over" such an arrangement.

Richard Hunt & Mr. Garfield call. Concord.

Ther Thursday, Oct. 25, 1917 Wea
Fog & Pleasant Sun. Fine

Sunny but hazy. Mild but chilly.

Light S.W. wind.

The heavy north-east storm of yesterday has stripped most trees of foliage & flooded brooks & pond holes hitherto dry since midsummer. One pond in Berry Pasture now brim-full.

In dooryard & lawn 8 Robins, a Ruby-crown in nearly full song, several

White-throats, half a dozen or more Juncos. Song Sparrows calling at sunset in Berry Pasture. Fox Sparrows with a dozen or more Juncos, in Green Field.

Started 2 Partridges in run near foot of lawn.

As we were lunching at 12.30 a big pale red Fox glided across the open space just beyond back curb front of house, not leaping but either trotting or pacing with exceeding swiftness carrying head & tail on level with back. I have never seen one move thus before except perhaps very slowly. Not 2 minutes after he had passed a fine Collared Pheasant, coming from off-churchyard, stalked sedately over lawn, feet off ground but rather near to walk.

Spent most of day out of doors. Richard Hunt & Mr. Garfield called in A.M. Garfield lunch with us. We after lunch

Concord.

Ther Friday, Oct. 26, 1917 Wea
Apples all picked. Perfect.

Clear, calm, warm, a "weather-bee" kind of day. Hyla calling in woods crickets chirping on sunny banks, Clouded Sulphur Butterflies & Honey Bees humming about Hawthorn blossoms on lawn.

Not many birds, 6 Robins, a Ruby-crown in song, 4 White Thr. & 2 Song Sparrows, 4 Juncos, 2 ad. ♂ Goldfinches in fresh winter plumage - very neat & handsome, a Flicker a Downy & a Hairy wood calling - there was all that I noted close to our house. Saw several flocks of in field or wood were a few Crows & Jays & perhaps half a dozen Yellow-rumps.

A ♀ Pigeon Hawk flying due south, low & very swiftly, with incessant nervous wing beats, over the open field just across the road fr. our house passed us within 30 yds. at 2 P.M. She was a very large bird, apparently immature.

Spent most of day picking grapes near dwelling in flower beds. The men failed. Apples the last, including Northern Green. Shot 2 Song Sparrows in big hollow, Cedar Poll

Concord.

Ther Saturday, Oct. 27, 1917 Wea
Perfect.

Another "weather breeder" sort of day,
cloudless, almost windless, delightfully
serene and warm. Many Butterflies
on wing; also a few Dragon Flies &
one large Bat at sunset. Field
Crickets chirping everywhere, as busily
as in September. Nevertheless the
leafless woods (save oak) unmistakably
proclaimed the near approach of winter.

Bird life waning fast. In our
dooryard & orchard or lane, 3 Robins,
a Gold. C. & 8 or 10 juncos were
all the birds I noticed. In the
Ritchie Cornfield 2 jays, a Rusty
Blackbird & a Song Sparrow.

Horned Larks heard uttering their
peeping calls. One of the Robins near
our house sang a little, sotto voce.

Spent entire day out of doors.
Washed & dried dahlias bulbs,
planted. Crocuses & looked after
the men who nearly finished
harvesting the yellow corn. The large
fruit yielded 11 1/2 bushels.
Betty, Jimmy & I have left for our summer
pasture & is very large.

Concord.

Ther Sunday, Oct. 28, 1917 Wea
Fine

Clear & cool with fresh N.W. wind.
Raining through much of last night
heavily at times & once with "thunder"
clap or two. Thus the "weather breeder"
yesterday did not fail to materialize.

4 or 5 Robins & about the same
number of juncos were the only birds
noticed near our home; at Ritchie place
2 jays & 2 Song Sparrows. No birds
observed along river meadows or on
Ball's & Holden's hills. A flock of
six Bluebirds by roadside near
Mr. Horro's. 3 Partridges started at
sunset in Cedar Park near foot of lane.

In forenoon walked to Holden's Hill
with George & Nels to look at wood
which we think of cutting there. Nels
offers \$5. a cord. Jeph & George will
cut & split it for 2.75.

Dined at the Emersons' at 1.30.
with Mr., Mrs. & Ellen. Enjoyed it
exceedingly. Left them at 3.30 & called
on the Carters - both having arrived
on the Carter - both having arrived
Boston Company 7.30 - 10 P.M. to which
Mrs. Brown & Richard, Mrs. Hoffman & the Boston

Concord

Ther Monday, Oct. 29, 1917 Wea
Rough-leg Hawk Fair.

Forenoon more or less sunny, afternoon
dark cloudy with now & then a brief
shower. Mild but chilly with fresh
southerly wind. Hard frost last night.

Our dooryard birds reduced to 2 Robins,
one White-throat, a Song Sparrow &
3 or 4 Juncos. A handsome old cock
Pheasant stalked across open field in
front of house at luncheon time. During
a morning walk thru woodland I met a
small flock of Chickadees with Goldcrests
near Pulpit Rock & flushed 2 Partridges then
near Bartlett Spring heard a Winter Wren
telling in a brush pile & a Crows among
some tall pines. At 11 a.m. a Rough-leg
Hawk passed over Ritchie place at a
great height (2000 yds.) soaring in
narrow circles until lost to sight to
westward. It looked as big as an Eagle
but showed a relatively long tail as long
apparently as a Marsh Hawk. When I
came overland I saw that it was a large
in plumage showing white belly
to wing & transverse white tail bar.
Its flight admirably easy & impressive.
Spent most of day out of doors checking
mounds of snow digging, chopping etc.

Concord, Cambridge, Boston.

Ther Tuesday, Oct. 30, 1917 Wea
72° max. Stormy

Morning dark cloudy with strong
southerly wind which increased to a
gale of uncommon fury, as the forenoon
wore on, and lasted well into the night
wrecking many an aged tree or ramshackle
building and accompanied after 11 A.M.
by incessant rainfall, for the next part
heavy & at times a veritable deluge.
Altogether a very dreary day, also
uncomfortably warm & brewed out of
clouds & drizzle so in steam heated building.

Took 8.06 train from Concord to
Cambridge sitting with Geo. Hayes, as usual
Spent most of forenoon in Museum, where
first E. R. S. & next Miss Handley, joined me.
They both advised against my seeing C., who
was confined to his room after a troubled
night, and Dr. Stevens had also naturally
forbidden it. Two men working on small
house-former which proves in bad need of
extension repairs. Called on Mrs. Breese,
who desires renovations to her house which
for the most part I had to decline.
To Boston by noon getting Eaton out on
way down to cars. Dined at Thompson's Spa.
Galehouse & I visited Safety Vault & took out
file mortgage to hand John Abbott.
Back to Concord by 2.30 ex. train.
Abundant dead Euph. grans (including Isabella
& Calantha) which I sent in garden at Concord.

Concord

Ther Wednesday, Oct. 31, 1917 Wea
Fine

Cloudless, almost windless, very warm through mid day hours but with a heavy white frost at sunrise. In late forenoon & early afternoon Butterflies & Dragon Flies were on wing, Grasshoppers & Crickets to be heard almost everywhere in grassy fields, a few Hylas calling in woods.

More birds than for several days past. Our dooryard visited by 5 or 6 Robins, one Yellow-rump, a Goldfinch, a few Chaffin, 4 or 5 White-throats, 2 Song Sparrows & a dozen or more Juncos.

In Cedar Park a flock of at least 6 Golden Crested Kinglets. Between these or others seen earlier in day in run with 6 Chickadees & a couple Single Cross Blackbirds in oaks near house, 1 Downy in orchard.

Spent forenoon with Jeph chawing out old & new wood roads for winter use in hauling wood. Daphna came to dinner & a walk later, Neighbors, Hodgman for a friendly talk.

Concord.

21 Ther Thursday, Nov. 1, 1917 Wea
Fine

Clear & very cool with light easterly winds at sunrise. Ground hard frozen & white with hoar frost.

By 7 a.m. this morn. a millet seed prepared yesterday just beneath our front dining room windows was thronged with hungry Fringilline birds mostly new comers from more northern summer homes. They included 5 Fox Sparrows, 3 Tree S., 3 White-throats, 2 Song S., a juv. Chaffin, 15 Juncos & 4 Goldfinches besides an ultra typical Western Palm Warbler, also one ground in middle of the rest but presumably not sharing this food. As I was watching them, about 8.30, a very brown young Northern Shrike swooped down into the middle of the throng & alighting

against the trunk of a bush 6 inches above the ground glared eagerly about him with flashing eyes & half opened quivering wings as if hungry for prey yet uncertain where of the many little birds to strike at. This movement of obvious hesitation lost him the chance for the Sparrows scattered rather quickly but not as if much frightened more of them flying to the top of the thicket where he followed fast knowing our it, next plunging into it, shortly flying off without success & back of field with no victim in either bush or clod.

More Juncos & 1 Fox Sparrow at Peckham place. 2 Hummers & many Juncos in Birch field. Song Sparrow a large Owl seen. Spent much of day out of doors. Surprisingly small, I mean following birds about. Some flying in any direction at sunrise.

Concord

Ther

Friday, Nov. 2, 1917

Wea
Perfect

Cloudless and for most part windless.
with tender blue sky and warm
sunshine. Hard frost last night &
ground like flint this morning early.
At breakfast time another Shrike
appeared in front of house. I say "another"
for this one, unlike the bird seen here
yesterday, was adult & colored like
average Shrikes of mature age. That
bird was. He chased a Sparrow (White
throated, I thought) to & fro through our
dense Forsythia thickets. Both birds
emerged from & plunged into it then
always a yard or two apart, the
Sparrows doubling abruptly when hard
pressed & thereby doubtless escaping; for
the Shrike presently flew off precisely,
low & swiftly, thru orchard S. & beyond.
Before this no small birds were to be
seen. A few minutes later about a
dozen juncos, one Tree Sparrow & a Song
Sparrow came to the water but while
6 Robins began running about one corner
& straggling birds. 3 Jays at Robin
place trying to find a neglected ear
of our harvested corn.

Spent most of day out of doors &
working with the wood. I have not heard
C. Catbird at noon.

Concord

Ther

Saturday, Nov. 3, 1917

Wea
Unsuccessful Partridge hunt. Fair

Cloudy and very chilly with strong,
raw N. W. wind. Every thing white with
hoar frost at day break. Ground hard
frozen then. Night coldest of autumn thus
far, according to Barometer.

At least 30 Robins & a dozen or more
juncos with one White-thr. Sparrow
were flitting about our doorway at
breakfast time. Later in day I saw
both species almost everywhere, in woods
as well as fields, in smaller flocks.

5 or 6 Gold-crests in Cedar Park, others near
Pulpit Rock, one or two in Birch Field.

4 Cross Blackbirds flying low through
Rice at 8 a.m. A Creeper, one

Yellow-rump & 3 or 4 jays. Also a

Harry & a Downy W., a Song Sparrow &
5 Tree Sparrows.

Out with 20g-gun & Jimmy, hunting
Partridges, morning & afternoon. Started at
least 7, 3 in Birch Field, 3 in Berry Pasture,
1 in Rice. One bird gave me a fair
open shot, two others different chances, but
I am sure I could not seem to pull
the gun, there being apparent lack of
coordination of eye brain & nerve, as was
his often the case last year. Jimmy had a
glorious time & bagged the cock about as
well as any trained setter or pointer.

Concord

Ther Sunday, Nov. 4, 1917 Wea
Red-tailed Hawk, Fine

Clear & cold with strong piercing chill
N. W. wind. Small skulking found frozen
completely over & surface of ground hard frozen.

A Robin close to barn & 3 Goldfinches in
large the only birds seen all day from our
windows. 5 Robins at Retchin place &
several Gold. crests in Cedar Park.

At least 50 Migrant Crows streaming
low down in scattered order, S. W.,
passed between 8.50 & 9 A.M. This the
first considerable south-bound flight.

While on northern slope of Holden Hill
at 9.30 A.M. I heard the wheezy, gapping
wheemey of a Red-tailed Hawk, twice
given, & a moment later saw the bird,
a very large & fully adult ♀, soaring in
narrow circles about 150 yds away & some
100 ft above Horner's meadow, showing her
red tail conspicuously in the sunlight way
twin the whistled. Then circling she drifted
off out of sight north-eastward.

In Horner's pasture a very brown young
shrike flitted on ahead of my feet toward
hundred yards, keeping ever just beyond
gun range & frequently sweeping down to the
parcels of daisies to pick up something from
the ground.

In Holden's & Ball's there is a well
called on Mr. & Mrs. Horner in late P.M.
In the darkness after dusk to hear records

Concord. A second further Postcard hunt.

Ther Monday, Nov. 5, 1917 Wea
Meadow Lark singing on wing Perfect.

Glorious day, following a very cold night;
but so windless & mild that Butterflies
& Dragon Flies were on wing & Grasshoppers
active during noon day hours. Towards
sunset fields & woods alike were bathed
in warm, mellow light of roundness
clarity & the air every where was so calm
that trifling sounds carried far.

Almost all south bound autumnal
migration seems to have ceased, at least
for the present. The only small birds seen
near our home were 2 Juncos & a Robin.
There were 7 Robins & 2 Jays at Retchin place
& I heard Titlarks on wing there. A
Meadow Lark was both seen & heard as it
soared high over Horner's field across the
road, giving the hoistering meadly song in
full. I do not hear this often in spring &
cannot remember ever before hearing it in autumn.

No men at work saw Burbank & Zeph.
I spent much of day with them. In late
P.M. went on Postcard Hunt with Jim.
We flushed 3 Partridges in Cedar Park & 3
in Berry Pasture; also a couple & their
Pheasant in Retchin compound (Hawthorn).
I had no less than 8 & did not find a third.

although singing warblers in garden & thrushes in orchard & ground chipping & thrushes in garden & thrushes in orchard

Concord, Boston, Cambridge

Ther Tuesday, Nov. 6, 1917 Wea
George B. Kettell Trust: Heavenly

Cloudless, windless, deliciously warm yet with a bracing quality to the pellucid air. Altogether a rarely perfect day, especially for late autumn.

Took 8.06 train, Concord to Boston, sitting, as usual, with Geo. Keyes, in smoking car. Met Howard K. Brown by appointment, in his office, 10 a.m. to discuss with him what should be done about the place left vacant by Mr. Lowell as my Co-Trustee of Geo. B. Kettell Estate. He cannot take it without giving security on bond which he would not do. Moreover George's will names his son John to succeed Mr. L. or me.

Mr. B. & I finally agreed that the best plan would be to transfer the Estate to a New Jersey Trust Co. He will ascertain just how this can be accomplished. Meanwhile he will advance money for usual quarterly settlements to Betty & Gummy. We started an account in my name at State St. Trust Co. & I gave him a Power of Attorney to sign & draw checks etc.

Saw Arthur, just back from Me., at our office. Deposited Ray & his Beetle Stock in Safety V. & checked at Thompson. Due to Cambridge by 1.20. Voted for State elections & spent time on papers at our house. When I saw C. for first time since Aug. 31. She seemed much better than I had expected. Material back to Concord 3-4.20 P.M. via Arlington, Southampton, Bedford

Concord.

Ther Wednesday, Nov. 7, 1917 Wea
Hawells of these species. Fine

Clear & cold with easterly N. W. wind.

A Robin eating Fox grapes at east end of wood shed, 2 juncos & a Goldfinch along lane, a Chackadee in Cedar Park & 2 or 3 Blue jays near Fletcher's cornfield made up the full list of house birds noted by me to-day.

A straggling flight of migrant Crows, at least 75 in total number, was passing more or less continuously from 8 to 9 a.m. All were moving S. W. as is their invariable custom here in autumn.

At 8 a.m. a very large, long tailed Goshawk passed overhead over the openfield in front of house, alternately flapping & gliding, & scarce above the taller trees tops. I viewed it from our front window & could catch well out its coloring. Just before sunset a Sumner looking Hawk flew from a shrub near Pulpit Rock & sped like a flitting shadow along road about 700 ft. at 4 P.M. an adult ♂ Marsh Hawk flying straight eastward & very strongly, passed over Pulpit Rock & Birch Field high in air. At 10 a.m. an adult ♂ Red shouldered Hawk circled over the woods, displaying one or more near Pulpit Rock. ~~discrepancy~~ all manner of beautiful evolutions as it sported with the bristled wood.

Thus, my last Concord day, closed recently in attending to closing up things here for the winter. But I shall come up later.

Concord - Cambridge

Ther Thursday, Nov. 8, 1917 Wea
24° Fine

Clear & bitter cold with high N.W. wind. A rarely glorious sunset.

2 Goldfinches in lane, 2 juncos in pine woods near Pulpit Rock a Jay & a cock Pheasant in Fitch's cornfield were all the birds I could find anywhere about the place in day. Others must have been here no doubt but were flying in very much because of the north wind.

I spent some of the afternoon looking in house & planning things for the country in planning work outside of. Went to the Tabb. & then Mountain for night work. Also had a talk with Nils Nilsberg about work to be done this winter at Holden's mill. He is to take what he can want out & sell, \$6. per cord for it in the woods. Left & George off to catch at 2.45. Gilbert & I left train at 3.45 & returned to Cambridge via direct road thro Bedford, Lexington & Cambridge. Reached home at 4.30. Saw G. for half an hour at supper time. She seemed much better. Harry Spelman & Harry Bartlett were in the night of evening.

Cambridge - Boston

Ther Friday, Nov. 9, 1917 Wea
Fine

Clear & warmer with moderate westerly wind. Another fine sunset.

In Garden - a White Throat Sparrow & a Flicker. Also 2 Gray Squirrels.

I covered my Cambridge Tax bills by receiving rents. Also that of our estate. Both materially increased mine to \$3530.89. Took them in town reaching office at 11.30. After talking with Arthur, George & Darling I went to Safety Bank & left there \$400 in Liberty Bonds bought at covered, taking out a Mass. State & a Town of Lexington bond each \$1000 which I sold to Exchange at \$99. Thence, losing some \$8 on cost. This money must be used for taxes. It was originally invested for that purpose & hence is not principal. Arrived at Thompson's & returned to Cambridge at 3 P.M. Found Fred Howard in Museum examining some series of Snow Geese. He is much better after long & serious illness. Giles Jaynes called this evening & all me to support Mrs. Hogan for election.

Cambridge

Ther Saturday, Nov. 10, 1917 Wea
 Harry C. Oberholser's visit. Fine

Clear & cool, yet neither frosty nor
 very chilly, light westerly wind.

In Garden: a White-throated Sparrow,
 a Blue Jay and a Downy Woodpecker.
 Crows heard cawing not far off, at
 sunrise.

Shortly after breakfast Gilbert motored
 me to City Hall where I had a talk
 with two Assessors about tax bills.

They finally agreed to reduce valuation
 of house # 2 Riedesel Avenue from \$8000
 to \$5000, the former being an obviously
 unfair valuation. That seemed a
 serious error in State Tax bill was
 found to be a merely trifling one.

Both Assessors treated me courteously &
 seemed to be fair minded officials.
 Home by 10.15 to find Harry C.
 Oberholser awaiting me. he having come
 by appointment at 10 to work on birds.
 He spent remainder of day & lunched
 with us. My series of Glaucous & Herodias
 Gulls, Ruffed, Pinnated & Sharp-Tail Grouse,
 Clapper Hawks, Red-Tail Hawks, Ravens,
 Marsh Wrens & Cata Thrushes engaged his
 special attention. Harry Spelman called in
 P.M. I called at 8.30 Sparks St. at 8 P.M.

Cambridge

Ther Sunday, Nov. 11, 1917 Wea
 Perfect

Cloudless, windless, comparatively
 mild with warm if rather pale
 sunlight.

In Garden: a Chickadee, a White throat
 and a Downy.

Spent forenoon in Museum working
 on birds. I. went to Church at St. Paul's
 visiting Thome with Miss Genders.

I started for a walk at 2.00
 made a short call at the Home
 where I had a pleasant chat with
 Miss Sally & Miss Lois.

Miss Allyn dined with us at 4.30.
 I no longer come down to any meal.
 She seems to be gaining strength
 & spirits steadily if slowly.

At 4 P.M. I called at 80 Sparks
 St. where Ruthven Deane gave me
 a hearty welcome as did George &
 Mary also. Remained there until
 nearly 6 & had a delightful talk.

Spent evening in hall with E. R. S.
 who read letters from David Irving.

Closest our
 says might from
 Gilbert's motorist is
 coming in day.
 I am
 who around
 at Valley
 I am
 during
 I am
 he
 hoping

A. O. U. Meeting - Second day, Cambridge.

Ther Wednesday, Nov. 14, 1917 Wea
Perfect.

Cloudless, absolutely windless, mild
yet with a frosty tang in the calm
air save where it was permeated by sunlight.

In Garden - only a Chickadee ^{a Creeper} and a
White-throat the latter singing faintly.

C. had a bad night due, in
Dr. Stevens' opinion, to acute indigestion
eliminating the encouraging gain of
the past week it has left her weak &
dispirited but there is no longer any
severe pain. After seeing her for a
few minutes this morning I devoted a
couple of hours to writing letters &
paying bills & then went byrolley car
to Nash's Lecture Room at Museum where
Andrews was giving a most interesting
talk on Western China illustrated by
beautiful slides. After it we all went to
lunch at the Colonial - upwards of 70
of us, I should think. Back to Museum
at 2.30 to hear Chapmans on Peru &
very good he was, of course. I walked
home just before sunset. Drove read
Trollope to me after supper.
Talked with Mrs. Balch, May Dexter,
Mrs. Tyler, Dr. Felt & others at the
Colonial Luncheon.

Cambridge

Ther Thursday, Nov. 15, 1917 Wea
Perfect

No less cloudless & windless than yesterday
but decidedly warmer & indeed almost
summerlike although everything had been
white with hoar frost at sunrise.
Perhaps this is Indian summer, somewhat
deferred.

In Garden: a Brown Creeper ascending the
trunk of a cherry tree & also descending it
a short distance, head down; a Chickadee
2 Gold-crests, ♂ & ♀; 2 Peabody birds.

The A. O. U. meeting lasted all
throughout this day which is unusual
for the session usually closes early on
the third day. The final talks & papers
are said to have been exceedingly good.
I missed them all by staying at home
partly because of business duties, also
because of extreme weariness.

C. had a comfortable day & seems much
improved in strength & spirits. E. R. S.
by no means well. Dr. Stevens says she
is in "very frail" health.

Fleming & Oberholser spent afternoon with
me looking over birds. Drought & R. D. Drown
dropped in at sunset & stayed awhile.
We had a delightful chat.

Cambridge

Ther Friday, Nov. 16, 1917 Wea
Fair.

Partly sunny, mostly cloudy, very
chilly with keen northerly wind.

In Garden 2 Chickadees, 2 Goldcrests,
a Blue Jay.

Wrote cheques for bills after breakfast
until 11.30 and then motored to
Mrs. Comp. Ford. To attend Congress
of Fish & Reptile men who publish
"Copeia". There were only some twenty of
them all told, holding their annual
meeting in Nash Lecture room, but
they seemed a remarkably keen, earnest
lot of young fellows & the papers, lantern
slide talks & discussions were full of
interest. Much was said about Fowler's
Food, in which discussion I took some
part. Barber was in the chair &
Jack Nichols acting as Secretary. The
former gave us an excellent lunch
in his Museum room. I walked

home at 3.30. Batchelder, Oberholser,
Gloss Allen, Dr. Clark, Murphy, all
meeting.
A. had a comfortable day. E. R. S.
and Frank to see the young

Cambridge - Boston

22 Ther Saturday, Nov. 17, 1917 Wea
Glorious

Cloudless, almost windless, warm in sunny
places, crisply cool in shaded ones -
altogether a rarely perfect day of late
autumnal type.

In Garden. 2 Goldcrests and a
Peabody bird. A Brown Creeper just
across street in Hubbard Park.

Went in town at 11 a.m. to spend
rather more than two hours at our
office where I signed a transfer of
\$10000 Liberty Bonds bought for our
Estate last June & now to be changed
from 3 1/2% to 4%, Lunched at
Thompson's Spa. Called at Mr. Severett's
office at 2 P.M. and had a talk with
Mr. Brown. He thinks it will be
best to transfer Geo. B. Pettall Estate
to a New Jersey Trust Co. He is
to ascertain just how this should be
done; also details as to New Jersey law
affecting this matter. He told me that
Mr. S. wanted to make income tax
return of Co property in 1913 & asked me
to hold it up at our office. Gallagher
found his return not changed with word
from by 3.30. Called at Mr. Spence's
Walter Deane called on me that evening

Cambridge

Ther Sunday, Nov. 18, 1917 Wea
Perfect.

Clear, calm & for the season warm.
Streets thronged with motor cars,
sidewalks with pedestrians. Grass as
green as in early autumn.

In Garden; a Brown Creeper, running up
trunk of linden; a Peabody bird; 2 Jays.

Spent forenoon in Museum writing letters.
Miss Allen at dinner with E. R. S. & me.
A little Victoria nectar afterwards.
Still later I walked down to Barbican to
with Mr. Allen to see a portrait of his
niece by a Belgian painter now working
here. It impressed me very favorably.
We kept on through Phillips Place & then
met Sarah Ames with whom I returned.
Leaving her at our house I next called at
the Fairchilds where I saw both mother &
daughter besides three other ladies. Finally
I dropped in at the Alveys seeing there
Mr. & Mrs. A., Mary, Mrs. Arthur Cabot
& Leslie Hopkinson. E. R. S. had a quite
comfortable day. E. R. S. came to me from
Trollope this evening.

Cambridge.

Ther Monday, Nov. 19, 1917 Wea
Fine

Clear & cool with strong northerly wind.

In Garden: Hermit Thrush, 2 Gold-crests &
4 White-throated Sparrows together in the
grape arbor, apparently feeding on frozen grapes
which still cling abundantly to the vines &
are by no means unpalatable to my own taste.
I was surprised to see so many of these Sparrows
for hitherto no more than one or two seemed to
be haunting the Garden this month.

The Hermit must have been a new comer.
As I opened the front door of Museum at
dusk he flew up just outside & for
half a minute fluttered within the wire
enclosure of the old time pigeon pen but
at length got through to somewhere & sought
refuge in the jungle.

The Gold crests were in shrubbery in front of
Museum where I see them almost daily - a
dainty little couple, most confident & fearless
to walk at least nearer than arms length away.

Spent day in Museum writing letters
& charges for bills. Also selected a lot of things
which Gilbert took in to the Jewell Shop for
Sally Fairchild to sell for the Tuberculosis Fund.

Willie Clark this evening. Torosund friends
Lange all dinner. Ruth D. & Oberholser there.
I heard Dr. Field on Park Reservation & came
in at 9.30 before Monday began his talk.

First snow-flakes Cambridge

Ther Tuesday, Nov. 20, 1917 Wea
Blue Jay in full song Fair.

Partly sunny, mostly cloudy, with light, chill northerly wind. A few snow flakes falling at 8 A.M. Surface of ground frozen.

In Garden: 2 Gold Crests in willow fence of Museum; a flock of 6 Chickadees (never more than 2 noted heretofore this month) in the old lilacs; 2 Blue Jays; half a dozen H. Sparrows.

One of the Jays sang almost ceaselessly for half an hour (10-10.30 A.M.) despite the chill air & cloudy skies. He seemed to be perched somewhere near the skylight in Museum roof over my study, whenever his odd medley of gurgling, chuckling, & sibilant notes came faintly but distinctly to my ear as I sat writing at this desk. It is unusual, I believe, for a Jay to sing thus in late autumn & he is not overgiven to it even in Spring.

Spent day in Museum reading letters. C. still confined to her chamber. She there received Miss Holman's note, with Miss Hackman's, came to lunch with E. R. S. & me. Alvin Bassett called at 5 & Jules Janitor at 8.30, P.M.

Cambridge

Ther Wednesday, Nov. 21, 1917 Wea
Dull.

A gray day, dark cloudy for most part with fine, drizzling rain in early morning & again at evening. Mild but chilly. Little or no wind.

In Garden: Chickadees, Gold-crests, jays & a Downy, heard; 4 White-throated Sparrows seen. All these were noted close about Museum about 9 A.M. It was precisely the sort of day when such small birds are most likely to appear there at this season.

I wrote letters and worked at a vast accumulation of second class mail during both morning & afternoon. C. had a comfortable day. Our "Wednesday" met, by Jackson's invitation, at the Harvard Club this evening. I did not join them, not feeling up to it & having in mind the results of my attendance at Medical Club meeting last Monday evening which gave me a sleepless night with no little neuralgic pain. Somehow I do not seem to be able to undertake anything of this kind this autumn without suffering for it.

Cambridge

Ther Thursday, Nov. 22, 1917 Wea
Stormy

Dark. lowering skies & incessant heavy rain combined to make the day an exceptionally gloomy & depressing one. It brought no birds whatever into the garden as far as I was able to observe.

Most of my forenoon was spent in the Museum, writing letters.

Ruthven Deane was with me there through the afternoon (3-5). We talked over many things of mutual interest. He remains as entertaining as ever and in other respects has changed but little for very many years, same in respect to ever. increasing knowledge regarding his favorite studies & pursuits. His account of dining with Walter Brackbill at the City Club was especially interesting. He will go back to Chicago to-morrow.
C. had another comfortable day.
S. back from Trillick's "Vicar of Bullhampton" to me in hall, this evening.
No Victrola music now

Cambridge

Ther Friday, Nov. 23, 1917 Wea
Stormy

Dark cloudy & very chilly with fine rain at intervals.

In Garden:- only a Chickadee, uttering its cheery notes from time to time.

Spent forenoon in Museum, writing a few letters and a note for the Arch. reporting the capture of an ad. ♂ European Widgeon on October 6, last, at Chappaguidchik, Vinograd Sound.

To Harvard Square at 3.30 P.M. Found it thronged with khaki-clad soldiers & still more numerous Radio-Servian recruits, many of the former carrying rifles. Called at Coifman's for books & had my hair cut & marked. Walked home after dark calling by the way at Washington's Court on Professor & Mrs. Lord. Also saw Sarah Butler there in front hall.

C. gaining ground slowly. E. & S. read to me after supper, Johnny drove called after lunch & I had a short talk with him.

Cambridge - Concord

Ther Saturday, Nov. 24, 1917 Wea
Fair

Partly sunny, mostly cloudy with occasional sprinkles of rain drops or flurries of large snow flakes. Light cold N. W. wind.

In Cambridge Garden (8-9 a.m.): a Chickadee and a Gold-crest heard; a Peabody-bird & 2 Tree Sparrows seen in lilacs at rear of house.

At October Farm, Concord: 4 Robins running on ground in garden & strawberry bed; a Chickadee; a Gold-crest & 7 Juncos together in Cedar Park; a Goldfinch & a Crow at Ritchie place; a hen Partridge started flying from another by river near Ball's Hill.

2 Gray Squirrels near farm house, two more at Ritchie place.

Leaving Cambridge at 10.45 Gilbert & I motored to Concord via Arlington, Burlington & Bedford. 5 Crows in a field & 50+ Black Ducks in Fiske Pond the only birds seen.

Spent entire afternoon in woods at Holden's Hill & elsewhere along river gathering ground pine of three kinds for Christmas green in Barbours & George helped me.

Concord - Cambridge

Ther Sunday, Nov. 25, 1917 Wea
20° ^{best fall bearing strawberries.} Fine
^{Ladies deligths still blooming freely.}

Brilliantly clear & frostily cold with keen, strong north-west wind. Surface of ground & of shallow pools, hard frozen. Many purple Ladies deligths in bloom front of house. Peaked down; also 9 ripe strawberries - all for G. At October Farm: a Juncos on well curb near house, 3 others and a Blue Jay at Ritchie place.

Cambridge Garden: 2 Chickadees & a Peabody birds.

Starting about 9.30 a.m. George Baker & I walked through Pulpit Rock woods to Birch Field, also visiting Ritchie place. The sun was warm, the northerly wind icy cold, the air exceedingly pure & bracing. The woods most enchanting to behold in the clear pale sunlight. Saw 3 Gray Squirrels but no birds whatever except near our house & at Ritchie place.

Leaving Farm at 11.25 Gilbert & I motored back to Cambridge via Bedford, Lexington & Arlington. One Black Duck in Smith's Pond, 50+ in Fiske Pond. Miss Allgren dined with us. G. went in town with Miss Henderson to St. Paul's Church.

Unbagoog task resumed.

Cambridge

Ther Monday, Nov. 26, 1917 Wea
20°, 25°, 18° Fine

Brilliantly clear & bitterly cold
with blustering northerly winds.
Ground frozen as hard as flint.
Grass on city lawns still green.

Garden birds: 3 White-throated
Sparrows flitting about among withered
flower stalks and 2 Blue Jays
sunning themselves at the edge of a
thicket bordering the birch grove.
There were also two or three House
Sparrows.

Spent day in Museum. Got out
m.s. of Introduction to Unbagoog
soon after breakfast and worked
at it almost ceaselessly and very
pleasingly until 6 P.M., making
some progress in emending &
amplifying it. For the first time
in many months this long-neglected
task again appeals to me with
renewed interest.

C. had a serene & comfortable day.

E. read Frodo to me after supper.

Cambridge

Ther Tuesday, Nov. 27, 1917 Wea
12°, 20° Fine

Cloudless and almost windless but
intensely cold with keen, dry atmosphere.

In Garden: one Peabody bird & two or
three House Sparrows.

Our Gray Squirrels have disappeared
no doubt to hibernate temporarily, as
is their custom during severe weather
at this season. They were much in
evidence a week or so ago.

Spent day in Museum working on
Unbagoog Preface. Destroyed original
after recopying it with a revised
draft which I trust will prove final.
It is very delightful to be thus busied
with the familiar task once more.

Two telephone calls proved equally
surprising, the first at 5 P.M.
from Mrs. Thos. Farley who was then
at North Station about to take 6 P.M.
train for Euclid, the second three hours
later from Dr. Gasking in Boston, who
will soon come to see us to discuss
business. Harry Johnson called this evening & stayed
about an hour.

First snow-storm

Cambridge

Ther Wednesday, Nov. 28, 1917 Wea
Starlings in Garden Stormy.

Cloudy & milder but very chilly. Snowing steadily through entire forenoon "melling" about 3 inches in all. Snow too fine & dry to cling much to trees & shrubbery.

In Garden: 3 White-throated Sparrows eating seeds of perennial plants in flower garden; 4 Starlings perched close together in cherry tree at edge of Birch Grove. A few House Sparrows flitting about disconsolately.

Dr. Gehring came from Boston at 9.30 and spent this entire forenoon, departing at 1 P.M. He was with C. up stairs for almost two hours & with me downstairs the remainder of the time. His verdict as regards C's condition is most encouraging for he considers it in no respect indication of any material change save perhaps as regards her eyesight. In all other respects he finds her as sound physically & otherwise as she has been for years past. There is increased weakness of course but that should be overcome in course of time & under proper care.

Spent afternoon in Museum working on Introduction. Usual evening reading as well

Cambridge

Thanksgiving Day

Ther Thursday, Nov. 29, 1917 Wea
Fine

Clear, calm, rather mild yet not sufficiently so to cause any appreciable melting of the new fallen snow that covers everything very uniformly to a depth of two or three inches.

In Garden: a Peabody bird heard chirping.

Spent forenoon in Museum working letters, also melling a little on the Introduction.

Miss Holman, Miss Hallman and Frank Manning came to dinner with E. R. S. & Mr. C. being confined to her room and Miss Hendes away for the day. Our turkey from Concord being thought too small a market one was served instead. The table was dressed with ground fawn & various fruits together with yellow corn. Frank stayed until 3. After that I called at the Always' during Mr. & Mrs. only, usual evening reading from Frodo's "Book of the

Cambridge

Ther

Friday, Nov. 30, 1917.

Wea
Fair

Forenoon sunny & mild the snow melting somewhat. Afternoon more or overcast. Entire day windless or nearly so.

Garden birds: A Gold-crest and a White-throated Sparrow, both heard calling near Museum.

Spent day in Museum working on Introduction to Umbagog. On resuming this task a week or so ago I made some progress at first but now seem to be getting into the " doldrums " again as far as it is concerned.

I had intended to go to Concord this morning but a heavy hoarfrost over everything was so suggestive of bad weather to-morrow that it seemed best to defer the trip.

The Boston Advertiser has just been sold to the Hearst interests & has already changed character deplorably in consequence.

Cambridge

Ther

Saturday, Dec. 1, 1917

Wea
Stormy

Dark cloudy with incessant heavy rain changing to snow at nightfall after washing away completely the previous accumulation that fell on Nov. 28.

In Garden: a Kinglet (Gold crest) a White-throat S. & a Blue Jay heard; a Brown Creeper seen running up trunk of elm in driveway.

Working all morning & part of afternoon at my Introduction which was thereby somewhat improved & added to.

At 3.30 P.M. Harry V.D. Allen, Will Stone's nephew, came by appointment with Walter Deane & Schuyler Matthews, bringing a supposed Billmiller's Thrush killed up dead in Longwood, yesterday. It proved to be a Hermit exceptionally dark-colored above & heavily spotted beneath. They all stayed on looking at birds, until 5 P.M. Robert J. Jackson called at 8 this evening staying almost an hour.

Cambridge

Ther Sunday, Dec. 2, 1917 Wea
Fine

Clear & cold with high N.W. wind.
Snow flurries last night & early this
morning have whitened stiff-frozen
ground again in many places.

Altogether the look of things suggests
that winter has fairly set in.

If so I may be unable to do what
should have been done ere this at Concord.

No birds whatever noted anywhere about
our grounds. Harry Spelman reports
seeing a Sparrow Hawk at Cambridge
Cemetery this forenoon.

Spent forenoon in Museum, working a
little on Introduction, also writing a
letter to Henry Henshaw & another to
Dan French.

Miss Allie & Frank Manning
dined with us. We had one of the young
Concord turkeys which proved
uncommon good. Frank was most
entertaining & delightful. He stayed on,
smoking with us, until 4.30. E.R.S.
read Frodo after supper. S. kept her room.

Cambridge - Boston.

23 Ther Monday, Dec. 3, 1917 Wea
Fine

Clear, calm, frosty but not chilly.
Altogether a very pleasant and
enjoyable day, for this time of year.

Noted no birds in our grounds.

Wrote a letter or two after breakfast
& then went in town reaching our
apartment before noon & finding Mr. Haley
in by chance. We had a rather
long talk after which I called on
Mr. J. Brown in his office, at C's request,
& told him she desired a position of
assistant. Mr. Brown & had thought of
Frederic Curless. He did not know him
but did not oppose the idea of asking
him to accept the position which I
did not know later when he at once
agreed to being overwhelmed by work,
at Federal Reserve Bank where I saw him
lunched at Thompson's. Called at 10.15.
Told him S. & thought I told him for 1.00
down by 1.15. In the evening, Mullall Club
at 10.15. but I was too tired. To bed
& went to bed early.

Cambridge

Ther
24°

Tuesday, Dec. 4, 1917

Wea
Duel.

Thin cloudy with occasional brief
interludes of sunshine, little or no
wind, mild but chilly air.

In Garden: 3 Chickadees; 1 White Throat;
a dozen or more House Sparrows, one
with entire crown snow-white;
15+ Starlings spending entire forenoon
feasting on frozen Isabella grapes.

Walked to Bowdell Street School house
shortly after breakfast to cast my vote,
at annual City election, for Rowell.
for Mayor & for various others including
Lenihan for Chief Assessor. Saw
Dr. Robinson & Dr. Goodale on way there.
Outrigger Barge called soon after my
return to borrow one of my Irish dog
skins which he wishes to make the type
of a new subspecies. He stayed until
noon. After that I skinned the Harvest
Thrush given me by Allen last Friday.

Harry Spelman called at 8.30 a.m.
to witness general progress of attorney
signed by C. & E. R. S. in favor of H. K. Brown.
I spent P.M. in Museum working letters etc.

Cambridge Concord.

Ther
20°

Wednesday, Dec. 5, 1917

Wea
Perfect.

Brilliantly clear, with dry, bracing, frosty,
absolutely windless air and warm
sunshine through midday hours when
the snow melted somewhat on south
facing slopes & roadways. It covered the
entire face of Nature when we left home
to motor to Concord over the usual
Wilmington, Lexington, Bedford route &
the air was then decidedly winterish.
No bird of any kind seen during trip.
When we reached the Farm about 10

a.m. there were a dozen or more
sparrows of some kind running over
snow about woods in field front of
house. I took them for Junco but
afterwards could find only one bird
& that a Tree Sparrow. Heard a Chickadee
in trees & saw a Crow in big elm.
Several Squirrels both Gray & Red.

John's tracks everywhere. Those of Pheasants
into Rabbit places, Deer & Fox tracks. No
Rabbit tracks. Started to Partridge in
Birch field & 1 on oak field.

Spent forenoon with Brown at
Rabbit place & near house covering pond
etc. In P.M. cut a lot of Christmas
trees in Birch field with Burdett &
Brown. Left before dark calling on Manning.

Concord

Ther

Thursday, Dec. 6, 1917

Wea

Perfect.

Clear, calm, frosty. Scarcely a breath of wind from sunrise to sunset.

One farm favored by birds in goodly numbers for the season. 4 Robins (all dull-colored ♀♀) in Cedar Park, 20+ Tree Sparrows flitting thru orchard feeding at round clusters of snow & filling calm air with sweet ice-tinkling notes. Goldfinches heard twice near house. Several Chickadees, a Brown Creeper & a Gold Crest in Puffer Rock pine woods. Many Partridge tracks in Birch Field. Started a Quail there, & another near our pasture. While we were at our noon dinner a cock Pheasant followed by 2 hens walked slowly past edge of flower bed (18 ft. fr. windows) & then into garden where they spent half an hour & seemed to find plenty to eat.

Tracks of at least one Rabbit in Birch Field. Squirrel trail everywhere.

Out of doors all day with Burbank & George who cut fire for winter covering covered shrubbery and with them & several boys, hauled brush etc. It was a glorious winter day.

Concord - Cambridge.

Abundant winter bird & other animal life

Ther

Friday, Dec. 7, 1917

Wea

Fine

Brilliantly clear with fresh northerly wind. Much colder. No thawing of snow or ice even on sunny slopes but air delightfully dry & bracing. Bird life comparatively abundant & widespread.

A Robin (at barbers), a Chickadee (at bus), 3 Juncos & several Tree Sparrows came close about our house & 6 Crows flew high over it.

3 Chickadees near Pine Park, 4 at Davis Hill & 5 or 7 in Prescott pine woods with a Brown Creeper, 2 Gold. Crests & a ♀ Hairy W.

2 Partridges started in Birch Field & a pair of Pheasants in Berry Pasture. 2 Robins & 2.

Hill jays on Pine Ridge. Snow surfaces everywhere dotted with trails of birds & beasts; Rabbit tracks numerous about Pine Park & on Pine Ridge, a few in Birch Field. Tracks of Red & Gray Squirrels multitudinous & everywhere.

Those of Partridges & Pheasants equally so in Berry Pasture. There a Mink had followed down the bank, making long leaps, & some large mammal had crossed the snow clad ground, with short ones leaving big footprints in pairs, scarce a foot apart. ♂ & ♀ & all alike. Also saw Coon tracks there.

In forenoon went to Pine Park with Burbank & Sanford. Arranged with them to cut & haul brush on Blakemore ridge hauling it out to wood shed & burning all brush @ 3.50 a cord. Next to Davis the whole job was at hand. Burbank & I left at 3.30 & returned at 4.30.

Concord - Cambridge. Abundant winter bird & other animal life. Ther. Fine. Brilliantly clear with fresh northerly wind. Much colder. No thawing of snow or ice even on sunny slopes but air delightfully dry & bracing. Bird life comparatively abundant & widespread. A Robin (at barbers), a Chickadee (at bus), 3 Juncos & several Tree Sparrows came close about our house & 6 Crows flew high over it. 3 Chickadees near Pine Park, 4 at Davis Hill & 5 or 7 in Prescott pine woods with a Brown Creeper, 2 Gold. Crests & a ♀ Hairy W. 2 Partridges started in Birch Field & a pair of Pheasants in Berry Pasture. 2 Robins & 2. Hill jays on Pine Ridge. Snow surfaces everywhere dotted with trails of birds & beasts; Rabbit tracks numerous about Pine Park & on Pine Ridge, a few in Birch Field. Tracks of Red & Gray Squirrels multitudinous & everywhere. Those of Partridges & Pheasants equally so in Berry Pasture. There a Mink had followed down the bank, making long leaps, & some large mammal had crossed the snow clad ground, with short ones leaving big footprints in pairs, scarce a foot apart. ♂ & ♀ & all alike. Also saw Coon tracks there. In forenoon went to Pine Park with Burbank & Sanford. Arranged with them to cut & haul brush on Blakemore ridge hauling it out to wood shed & burning all brush @ 3.50 a cord. Next to Davis the whole job was at hand. Burbank & I left at 3.30 & returned at 4.30.

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Cambridge

Ther Saturday, Dec. 8, 1917 Wea
Stormy

Dark cloudy & intensely chilly with snow-
fall beginning in late P.M. and changing to
rain, after some two inches fallen, about 8 P.M.
Altogether a gloomy & disagreeable day in
strong contrast with the glorious wintry
weather that has prevailed of late.

Garden birds. One Robin & 23 Starlings
feeding on Parkman apples with which the
prolific little tree has borne a
superabundant crop this year & is
still red with their crowded myriads.
The Starlings, I fear, will make short
work with them. Besides them two
species I heard a White-throat chirping

Spent entire day in Museum,
writing letters. For the first time
since my return to Cambridge a
month ago C. came down into
the hall after supper and sat in
her accustomed place by the fireside
while the victrola, hitherto silent,
played some of her favorite records &
the dogs sat happily at her feet.

Cambridge

Ther Sunday, Dec. 9, 1917 Wea
Fine

Clear & cold with fresh northerly wind.
Last night's rain turned most of the snow
that preceded it to ice which now
covers the ground with a highly
brushed & slippery coating an inch or
more in thickness.

Garden birds: A Robin & 5 Starlings in
Parkman apple tree at 9 a.m. Chickadee
heard in lilacs.

Spent forenoon & late afternoon in
Museum writing letters. C. with
Miss Henders went to church in
town at St. Pauls. Miss Allyn,
Walter & George Deane dined with
us on a Canada Goose shot at
Dunbury several weeks ago by
Laurence Fletcher. It was very tender
& well flavored. Our guests departed
about 2.30. E. R. S. read to me from
Trollope's "Vicars" after supper.

Everyone giving, collecting or packing
clothing for Halifax sufferers. Our
contribution sent yesterday.

Cambridge

Ther 14° Monday, Dec. 10, 1917 Wea Fine

Clear & bitterly cold with strong northerly wind.

Garden birds: Chickadee heard in lilacs; 2 Robins (both dull colored) and 5 Starlings eating fruit of Parkman apple which they visited & revisited at frequent intervals through day.

Resumed work on Umbagog Introduction & kept at it all forenoon. Fisher Ames called by appointment at 2 P.M.

To consult me about a book on birds which he proposes to write for use by school children & others.

He discussed it & various other things for two hours or more.

He is an intelligent and interesting man whom I was glad to meet.

I advised him to make free use of Mus. C. Z. library & specimens which he says may be of great service to him in connection with his work.

C. progressing well. E. read Tolstoy to me, as usual, after supper.

Cambridge

Ther 12° Tuesday, Dec. 11, 1917 Wea Fine

Clear and intensely cold with northerly winds diminishing in force. There has been something peculiarly penetrating & trying about the cold of these past few days. Several of our friends have remarked the fact & our own house has been uncomfortably frigid despite generous burning of both coal & wood.

Garden birds: Represented, as far as I had opportunity to observe, by a single White-throated Sparrow and nothing else.

My day devoted to the customary task of revising the Introduction to Umbagog at which I am making no more than the usual discouraging show and diffident progress yet enjoying it, nevertheless.

C. spent the day in her chamber where I was there with her for half-an-hour at a time. E. read Trollope's "Vicars" to me for an hour after supper.

Cambridge.

Ther Wednesday, Dec. 12, 1917 Wea
10°, 15° Dull.

Cloudy & somewhat misty with continued bitter cold but comparatively little wind. It looks like snow to-night and the Weather Bureau now predicts it for to-morrow.

Garden birds: A White-throated Sparrow chirping in rhododendrons just outside my study window; a Chickadee heard in the lilacs & a Downy W. in the jungle.

Spent entire day at my Museum desk working at Introduction & making little or no progress.

Once more I find myself swamped in a sea of alternative words & sentences any final selection from which seems impossible. Try as I will they cannot be made to fit together so as to express effectively what I desire to say.

C. again confined to his room yet outwardly cheerful & interested in everything & everybody. Usual evening reading to me in hall, by E.

Cambridge.

Ther Thursday, Dec. 13, 1917 Wea
10° Fair

Almost uninterruptedly sunny, yet with almost ceaseless light snowfall proceeding from an apparently almost cloudless sky - something I have never known happen to such an extent before. The air was nearly windless and very chilly.

Garden birds: A Robin in Parkman apple tree, a White-throat on the sill of my Museum window, a Chickadee close to it among rhododendrons.

Working all day at Introduction, through forenoon without avail, in afternoon with somewhat better results.

Had a half-hour in C's room after breakfast & again after supper. Usual evening reading in hall.

Percy has been selling apples from the farm to Cambridge provision men for reasonably good prices.
" 2. a basket for Northern Guys,
" 50 " " " Baldwin.

Cambridge

Ther

Friday, Dec. 14, 1917

Wea
Fine

Sunny & not unseasonably cold but chilly & windy. Snow that fell overnight covered the ground this morning to a depth of 3 or 4 inches.

Garden birds: In our Parkman's apple tree at 9 a.m. were assembled a ♀ Robin, a rosy red & a plain-colored Purple Finch, & 7 or 8 Starlings. All these remained for half an hour or more busily engaged in eating the tiny apples or their seeds. There was also a Chickadee near the Museum and close to my study windows two White-throats chirping just before sunset. House Sparrows to the number of 30 or 40 clustered in the vine over the Museum door as I approached the building soon after luncheon. I have not seen so many here before this winter.

Worked all day on the Introduction but made no progress whatever.

C. depressed again & evidently suffering a good deal from a rheumatic attack.

Samuel H. H. to me after supper:
"We have regularly 2 chapters of a novel."

Cambridge

Ther

Saturday, Dec. 15, 1917

Wea
Fine

Clear and cold with brisk northerly wind. Excellent sleighing here & at Concord but few horse drawn sleds left to make use of it.

Garden birds. A Robin, a plain colored Purple Finch busy with the fruit of Parkman's apple. 3 Chickadees at a fresh lump of suet hung recently near my study windows. One or more White-throats heard chirping in Rhododendrons. 20+ House Sparrows flitting hither & thither. No Squirrels of late.

Freshly stripped off skins of a handsome pair of Pintails that at Ouse Mass. reached me last night as a gift from C. A. Robbins.

Spent day in Museum working part of time on Introduction, also writing letters. C. weary & depressed again. Usual evening reading.

Cambridge

Ther 5° Sunday, Dec. 16, 1917 Wea 7 in

Clear, cold, windless. Typical mid-winter day. Streets encased in smooth, hard-packed snow of spatter white.

Garden birds. 3 Starlings & a Gray Squirrel in Parkman apple tree. 2 Blue Jays screaming in jungle & lilacs. About 30 House Sparrows tugging at bird cruet in clothes yard. The cawing of a distant Crow heard faintly.

Worked on Introduction & wrote letters, in forenoon. We had at dinner Alice Stone & Evelyn Purdie. The latter reminded me that it was her brother Henry's birth-day.

I left them at 3 P.M. to call on the Fairchilds & there spent upwards of an hour with mother & daughter. Called at the Always later to find only Mrs. A. & her grand-son, John Biddle, at home. Half-hour talk with C. after supper & after that reading of the "Vocal", in hall.

Cambridge

Ther 24° max. Monday, Dec. 17, 1917 Wea Fair

Partly sunny, mostly cloudy. Scattered snow flakes falling every now & then. Continued frost.

Garden birds. 12 Starlings & a White-throated Sparrow in Parkman's apple; Downy W. and Blue Jay in jungle; Gold crests heard just outside my study window.

Thus far I have been trying to add some fresh matter to Unhappy Program & Introduction. To-day was devoted to revising sheets written six or eight years ago. This proved an easier task for comparatively few changes are required. I am also encouraged to find the literary quality of the M.S. rather better than I had remembered it. My inclination now is to have it published soon if this can be arranged for in these ominous times.

Nuttall Club meeting which I attended. Only 3 others came. The rest presumably at Boston Society listening to Mr. Millar. We put through some random matter & had a pleasant talk.

Cambridge

Ther Tuesday, Dec. 18, 1917 Wea
26° mof Dull

Cloudy, chilly, almost windless.
A few snow-flakes falling every
now & then. Altogether a rather
cheerless day.

Garden birds. A plump, dull-plumaged
White-throated Sparrow in our clover-
yard; upwards of 15 House Sparrows
there & elsewhere; a Crow in linden
within two yards of our chamber
window; 15 to 20 Starlings feasting
greedily on fruit of Parkman's apple,
already much diminished by their
persistent inroads.

Rather more than the usual trifling
progress made with Umbagog M.S.
Worked on it all day long, composing
more than a page of new matter
& recasting some of the old.

Harry Spelman called at breakfast
time with an H. Chagun for covered
apple and Percy gave me 3 in cash
for the same number of bushels sold.
C. came down into lower hall for supper
but did not remain after meals.

Cambridge

24 Ther Wednesday, Dec. 19, 1917 Wea
Dull

Cloudy calm & mild but chilly.
Snow melting somewhat for first
time in above a week & despite
entire absence of sun.

Garden birds: A Gold-creeper,
6 Chickadees, a Crow, 12 Starlings
& the usual mob of House Sparrows.
The Starlings were engaged in the
Parkman apple tree until about 3 P.M.
when we placed there a stuffed
house cat to frighten them away.
It accomplished this purpose
admirably for they quickly departed
but the 6 Chickadees collected about
it to scold & vituperate evidently
mistaking it for a living cat.

Worked all day at this.
Introduction advancing to
somewhat. C. came down into
hall before supper & remained
there until 9 P.M. listening to
reading of "The Vicar" by E. R. S.
Miss Henderson went in town.

Cambridge

Ther Thursday, Dec. 20, 1917 Wea
38° max. Fair

Forenoon cloudy, afternoon sunny.
Calm & warm all day, the snow
melting rapidly.

Garden birds. A Chickadee and
about a dozen House Sparrows
were all I noticed. The Starlings
must have been thoroughly
frightened by the stuffed cat for
not one of them has been seen
about the place since we put
her in the Parkman apple tree,
for only one hour or so yesterday
afternoon.

Worked from 10.30 A.M.
to past noon and from 2.30 to
6 P.M., on my Introduction. It
continues to hang far depressingly.
Walking up Brattle Street at 12.30 I
overtake Miss Kate Horsford. Together we
kept on as far as Blinworth & then
back to Sparks Street. She had much of
interest to tell me, especially concerning
her sisters & their children.
G. spent evening in brown hall, listening
to reading of the Vicar.

Cambridge

Ther Friday, Dec. 21, 1917 Wea
Fair

Partly sunny, mostly cloudy. Very mild.
No wind whatever.

Garden birds. 3 Chickadees at sent;
a White-throat among rhododendrons;
a Crow heard cawing & a Jay screaming.
3 Purple Finches, a handsome red male
and two birds in ♀ pl., eating berries
of Parkman apple or rather the seeds
which they contain; House Sparrows,
to the number of a dozen or more,
flitting to & fro in the cedar carrying
frequent of bread crumbs.

Spent most of day in Museum
working on Introduction & making some
progress. The large Aralia bush in
front window then put out one flower
yesterday & then to-day. I must have
had it no less than ten years.

The annual Christmas exercises at
Miss Thompson's school to-day. We could
not go, but she & her chorists serenaded us
to-night with Christmas Carols as is their
delightful custom, 18 of them came up the
driveway under the roundness of the Peace

where G. & I listened as they sang them. We had
lights candles there.

Cambridge.

Ther Saturday, Dec. 22, 1917 Wea
Fair.

Partly sunny, partly cloudy.
Early morning warm & calm. Temperature
falling & chill N.W. wind rising later
in day.

Garden birds. 3 Chickadees & a
Downy Woodpecker in trees on
shrubbery near Museum. Chipping
call of Purple Finch, coming from
Parliament apple tree, apparently, but
no such bird sighted there.

Gray Squirrels out again for two
days past. Saw them together this
morning.

Working all day on Introduction.
It went better than usual. I
revised several much corrected
pages and composed a fair
amount of new matter.

C. spent evening with us in brown hall
listening to usual reading of Bible.

First paper white Narcissus in
bloom this morning.

Cambridge

Ther Sunday, Dec. 23, 1917 Wea
Fine

Clear & cold but with fine, dry air
& only moderate N.W. winds. Ground
still snow-covered almost everywhere
but only thinly so.

Garden birds. 3 Chickadees, a Jay,
about a dozen House Sparrows.

Spent most of day in Museum
working letters. G. went to church
at St. Paul's Cathedral in forenoon,
Loving Fuller accompanying her.
Miss Allen our only guest at
dinner. After it we sat in hall
another & then she made a call
on C. upstairs before departing.

Professor John H. Lord called at
5 P.M. He stayed about an
hour & had many interesting
things to tell me especially about
Summersville, South Carolina, whether
he & Mrs. Lord go this week
to pass the winter as usual.

G. furnished with the News this morning.
We have greatly enjoyed it.

Cambridge

Ther Monday, Dec. 24, 1917 Wea
Fair.

Thin cloudy, calm, mild but chilly.
Rain at evening. Snow melting fast
exposing bare ground in many places.

Garden birds. 3 Chickadees,
4 Starlings, a few House Sparrows.
The Starlings hovered close about the
Parkman apple tree as if longing for
more of its fruit but fearful of attacking
this again because remembering the
stuffed cat we put up in the tree
last week. No birds except Chickadees
have as yet been seen eating snow.
They have fed on it daily of late
but not with much apparent
eagerness. Whether or no they are fed
by any of our neighbors I do not know.

Spent most of day in Museum
writing letters. Gilbert & Percy trimmed
the front hall with Christmas green.
We are using less than usual & all
this was obtained at October Fair.
Harry, Alice & Harriet Beardsall
called this morning.

Cambridge

Ther Tuesday, Dec. 25, 1917 Wea
Dull

Cloudy, with short but dense snow fall
about noon. Snow melting through day.
Ground for most part still thinly
covered with it.

Garden birds. 8 Starlings feeding in
Parkman apple tree. When I threw a
snow-ball into it they flew off
northward, one uttering notes recalling
those of a Cow-birds springing to the
besides them I saw only a Crow &
heard a Chickadee.

Our Christmas day passed very
happily. Harry Spelman came just
as C. was returning towards room from
attending church at St. Pauls with E. W. F.
He was followed by Miss Butler who
had much to say of Germany & the Germans.
At dinner we had two Concord turkeys.
Our guests were Miss Holman, Miss Hardness,
Miss Swamy, Mrs. Cobb, Loring Fuller and
Frank Manning. Christmas tree on table.
C. came down about 3 P.M. to spend
half an hour or so in hall with us.
Frank stayed on until 5. Dick Dana
called shortly after that to stay
upwards of an hour. Usual evening reading
hardly any Christmas presents but
very many cards.

Cambridge - Boston.

Ther 12° Wednesday, Dec. 26, 1917 Wea Fair

Clear & cold with light northerly wind. Streets & sidewalks encased in ice & dangerously slippery in many places.

Garden birds, a Chickadee; a White-throat heard chirping at sunset; a dozen or more House Sparrows; 2 Blue Jays together in rhododendrons within a yard of my study window; 8 Starlings eating Parkman apples until we put stuffed cat therein after which they were seen no more.

To Boston at 11 a.m. Spent about 3 hours in our office, signing quarterly Estate Checks etc. Bad good bye to Arthur who goes to New York on Friday to sail on Saturday for Porto Rico. He was very busy preparing for departure etc. Galloupe & I visited Boston Safe Deposit Co. to take out a new key. I deposited 1000 Lib. bond in State St. and Home by 4.15. E. R. S. reading Jane Austen to me after supper.

Cambridge

Ther 5° Thursday, Dec. 27, 1917 Wea Fair

Clear and cold with little or no wind. Clouds gathering in late P.M.

Garden birds: 3 Chickadees; 4 Starlings in Parkman apple tree; 3 obviously hungry Crows flitting through jungle & also coming close under Museum windows to pick up crumbs of bread dropped there by the House Sparrows.

Despite increasing & now rather serious trouble with my eyes I worked all the forenoon at my writing. The afternoon was given up to entertaining O'Brien & Long and Dr. Sanford of New Haven who came by appointment at 2.30 P.M. and stayed on until after sunset looking at bird skins and discussing various ornithological matters.

I was especially glad to find O'Brien better acquainted with Sanford - an interesting man whom one cannot fail to like. E. R. S. went in time to a school reunion. She read to me after supper, as usual.

Cambridge

Ther Friday, Dec. 28, 1917 Wea
Dull

Cloudy & not cold but chilly. Snow falling intermittently mostly melting as it strikes but whitening our roads at nightfall when the temperature fell rapidly. Rivers & ponds everywhere encased in solid ice. Water-fowl having a hard time along coast this said.

Brainard reports seeing upwards of fifty wholly white or whitish Gulls, presumably B. glaucus or leucophaea, in Gloucester Harbor, a few days ago. C. A. Robbins writes that surface feeding Drills at Onset are being "gunned to death" where they come in to feed at the few unfrozen places in Tidal Creek & marshes.

Garden birds. 6 Chickadees coming repeatedly to seat by my window; 8 Starlings in Parkinson apple tree, returning to it tomorrow after our stuffed cat had been placed therein; 3 Crows in Juniper; a dozen or more House Sparrows.

Spent day in Museum working on short article relating to use of stuffed cat. Eyes giving much trouble. Have had to cease reading newspapers & letters. Visited Taylor of Madison. This called in with usual evening reading in hall. 3. There.

Cambridge

Ther Saturday, Dec. 29, 1917 Wea
Dull

Bitterly cold & intensely chilly with darkly overclouded sky. But not much wind. Scattered snow flakes now & then. Sometimes they came thick & fast but never long enough to more than whiten sidewalks.

Garden birds. 3 Chickadees visiting seat by my window, at short intervals; 8 Starlings eating Parkinson's apples until driven away by my pulling a cord attached to top of tree; 10 or 12 House Sparrows. White-throat not seen since 26th. I fear he may have perished.

Worked mostly on cheques for bills. It kept our body through much of forenoon and entire afternoon.

Usual evening reading by S. C. did not come down to us.

Walter Deane has been rather dangerously ill since Dec. 18, with acute indigestion, but he is fast recovering now & able to see his friends again.

Record - Breaking cold.

Cambridge.

Ther - $16^{\circ} + 2^{\circ}$ Sunday, Dec. 30, 1917 Wea. Time.
Coldest weather on record here.

Brilliantly clear with light northerly wind. C. read her thermometer, outside dressing room window (2nd story facing E.)

- 16° at day break. Mine on lounge back piazza (open to N.) had registered exactly the same but when I first saw it about 8.30 A.M. was at - 10° .

The highest point it reached all day was + 2° at 1.30 P.M. I cannot

remember that the temperature has ever before within my time fallen

lower than - 13° & that record dates back far into the past. Although

Percy has kept most of our house comfortable by faithful attention to the furnace (we are using only the large one this winter) & to open road fires, we had water pipes frozen in four places this morning.

Garden birds. 2 Chickadees coming to suet; 2 Starlings eating P. apples; several House Sparrows; our Wren.

Wrote letter informing Miss Allger & the Cobb-Fratters at dinner. After tea C. joined us by hall fire & spent two hours while E.R.S. read aloud.

Cambridge.

Ther - $9^{\circ} + 6^{\circ}$ Monday, Dec. 31, 1917 Wea. Time.

Although the sun shone bright from a cloudless sky through almost perfectly windless air its rays did not avail to raise the temperature more than six degrees above zero mark. Our water pipes froze again in several places last night and in the China closet a lead pipe cracked open when thawed this morning. Similar damage has occurred throughout Cambridge, the soil the ground continues thinly but uniformly covered with icy snow or burning ice.

Garden birds. 6 Chickadees visiting suet and flitting through jungle; 2 Starlings in Parlor on apple tree; a dozen or more House Sparrows. White throat back again & chirping loudly in the Lilacs.

Spent day in Museum looking over stone articles for Bird Bone, feathers etc. C. spent evening with us in lounge hall where we had a betula Conquer. I went early to bed so missed hearing midnight clamor

Memoranda

Memoranda

Memoranda

Memoranda

Birds in our Garden, Cambridge

CASH ACCOUNT. JANUARY.

Date.	Received.	Paid.
✓ 1	Chickadee 1 st at 2 nd do. 11 th in willows 13 th 20 th 31 st at 31 st	
✓ 2	White-throat 1 st 2 nd 4 th 5 th 6 th 7 th 8 th 9 th 10 th 12 th 14 th	
✓ 3	Flicker 1 st in apple 5 th do. 8 th on ground 16 th 24 th	
✓ 4	Jay 1 st 4 th 5 th 8 th 11 th 12 th 15 th 21 st 22 nd 24 th	
✓ 5	House Sp. 1 20 th 2 20 th 4 30 th 5 20 th 6 20 th 7 8 th 8 10 th 9 10 th	
✓ 6	Crow 2 nd in tree 6 th 7 th in garden 13 th 16 th on lawn	
✓ 7	Junco 6 th in lilacs 15 th 2 nd seen at eve. by Percy H. 29 th in jungle	
✓ 8	Herring Gull 6 th 7 th	
✓ 9	Downy W. 7 th 9 th 12 th in cherry tree	
✓ 10	Goldcrest 10 th in willows by Mrs. Gate	
✓ 11	Purple Finch 10 th 7 th gray ones eating P. apple. 12 th 2 nd do. 15 th gray do. in lilacs	
✓ 12	Redpoll 22 nd	
✓ 13	N. Thrush 22 nd 1 st ad fully mature in clear gray white & black pl. In garden 12.30-4 P.M. singing freely.	

CASH ACCOUNT. JANUARY.

Date.	Received.	Paid.
16 th 17 th 19 th 20 th 22 nd 26 th 27 th 28 th 30 th 31 st		
27 th 10 th 28 th 10 th 29 th 24 th 30 th 15 th 31 st		
25 th 26 th 29 th		
10 th 12 th 11 th 16 th 12 th 13 th 15 th 14 th 15 th 10 th 16 th 17 th 18 th 19 th 20 th 21 st 22 nd		
18 th 18 th at 20 th 3 rd in jungle 22 nd		
22 nd 1 st gray in apple 2 nd 4 th do		

Birds in our Garden, Cambridge.

CASH ACCOUNT. FEBRUARY.

Date.	Received.	Paid.
✓ 1.	White Throat Sp. 1 ^{ad} 2 ^{do} 3 ^{do} 7 ^{1 peculiar} 8 ^{bird just} 9 ^{seen before.}	
2.	House Sp. 1 ⁵ 2 ¹² 3 ⁶ 4 ²⁰ 5 ¹² 6 ¹⁰ 7 ⁸ 8 ¹⁰ 9 ⁸	
✓ 3.	Blue Jay 1 ^{hd} 3 ^{hd} 4 ^{hd} 5 ¹ 6 ^{hd} 7 ^③ 8 ¹ 10 ¹ 11 ^{hd}	
✓ 4.	Crow 2 ^{hd} 4 ^{hd} 5 ^{hd} 6 ^{hd} 7 ^{hd} 8 ^{hd} 9 ^{hd} 10 ^{hd}	
✓ 5.	Downy W. 4 [♂] in bush of grove. 7 ^{hd} 8 ^{hd} 19 [♀]	
✓ 6.	Junco 6 [♂] eating millet seed by Mrs.	
✓ 7.	Tree Sparrow 6 ¹ with House Sparrow eating millet by Mrs.	
✓ 8.	Redpoll 19 ^⑤ 1 ^{ad} ♂, feeding in bush in jungle	
✓ 9.	Gull 20 ¹	

208 82 + 44 67 + 98 87 + 03 48 x 05 21.23

CASH ACCOUNT. FEBRUARY.

Date.	Received.	Paid.
14 ¹ 15 ¹ 16 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 27 ¹ 28 ¹		
10 ²⁰ 11 ¹² 12 ¹ 13 ²⁰ 14 ²⁰ 15 ¹² 16 ¹² 17 ¹² 18 ¹² 19 ¹²		
18 ¹ 19 ¹ 20 ¹ 21 ¹ 23 ¹ 28 ^②		
11 ^{hd} 21 ^{hd} 23 ^{hd} 24 ^{hd} 25 ² 28 ¹		

Birds in our Garden, Cambridge.

CASH ACCOUNT. MARCH.

Date.	Received.	Paid.
✓ 1	White throat Sp. 1 st 2 nd 3 rd 9 th 10 th 11 th 12 th 13 th	
✓ 2	Fox Sparrow 2.3 rd 31 st Silent bird in Mrs. Shrubbery	
✓ 3	House sparrow 1.2 nd 2.20 th 3.30 th 4.12 th 5.6 th 6.20 th 7 th	
✓ 4	Brown Creeper 23 rd	
✓ 5	Redpoll 6 th in jungle 7 th	
✓ 6	Song Sparrows 27 th by Mrs. 31 st de	
✓ 7	Jay 6 th 8 th 2.12 th 15 th 18 th 19 th 21 st 22 nd	
✓ 8	Crow 6 th 7 th 8 th 9 th 10 th 11 th 12 th 13 th	
✓ 9	Starling 23 rd in apple tree	
✓ 10	Cedar bird 13 th in cherry tree	
✓ 11	Purple Finch 16 th	
✓ 12	Hairy Woodpecker 29 th heard both, which note & rattling ones in top of Catalapa	
✓ 13	Flicker. 17 th by Mrs. 9 a.m. 18 th 21 st	
✓ 14	Downy W. 24 th 25 th at fruit	
✓ 15	Chickadee 18 th	
✓ 16	Migr. Shrike 19 th in bush from time 5 P.M. Very handsome. Admired one seen Jan 22	
✓ 17	Robin 20 th calling at sunset 22 nd seen 23 rd 25 th 26 th	
✓ 18	Browned Grackle 20 th 21 st 22 nd 23 rd 25 th	

CASH ACCOUNT. MARCH.

Date	Received.	Paid.
15 th 18 th 26 th 27 th 31 st		
8.20 + 9.30 + 10.15 + 11.12 + 12.15 + 13.20 + 14.12 + 15.20 + 16.20 + 17.12		
18.15 + 19.12 + 20.6 + 22.6 + 23.6 + 25.6 + 26.6 + 27.6 + 29.4 + 31.4		
25 th 26 th 27 th 28 th 29 th		
18 th 19 th 22 nd 23 rd 25 th 26 th 27 th		
23 rd 25 th 26 th 31 st after 5 th & only family heard.		
20 th in Catalapa by Mrs. 24 th in Hawthorn. Lyr. migrans.		
27 th 28 th 29 th 30 th 31 st in nearly full song for about two minutes at 6 P.M.		
26 th 27 th 28 th 29 th 30 th 31 st		

CASH ACCOUNT. MAY.

[illegible]

CASH ACCOUNT. JUNE.

[illegible]

CASH ACCOUNT. JUNE.

[illegible]

Birds in our Garden, Cambridge.

CASH ACCOUNT. JULY.

No.		Received.	Paid.
✓ 1	Robin	3 ⁶⁺ 4 ⁸⁺ 5 ¹²⁺ 6 ¹⁵⁺ 7 ⁸⁺ 8 ¹⁵⁺ 10 ⁸⁺ 12 ⁸⁺	2 ^{2*} 3 ^{3*} 5 ^{3*} 6 ^{3*} 7 ^{2*} 8 ^{2*} 10 ^{2*} 12 ^{2*}
✓ 2	R. L. V.	3 ^{1*} 4 ^{1*} 5 ^{1*} 6 ^{1*} 7 ^{1*} 8 ^{1*} 10 ^{1*} 12 ^{1*} 14 ^{1*} 15 ^{1*}	3 ^{1*} 4 ^{1*} 5 ^{1*} 6 ^{1*} 7 ^{1*} 8 ^{1*} 10 ^{1*} 12 ^{1*} 14 ^{1*} 15 ^{1*}
✓ 3	Blue Jay	3 ^{hd} 4 ^{hd} 5 ^{hd} 6 ^{hd} 7 ^{hd} 10 ^{hd} 12 ^{hd} 14 ^{hd} 15 ^{hd}	3 ^{hd} 4 ^{hd} 5 ^{hd} 6 ^{hd} 7 ^{hd} 10 ^{hd} 12 ^{hd} 14 ^{hd} 15 ^{hd}
✓ 4	Crow	5 ⁱⁿ 6 ⁱⁿ 16 ^{hd} 19 ^{hd} 20 ^{hd} 22 ^{hd}	5 ⁱⁿ 6 ⁱⁿ 16 ^{hd} 19 ^{hd} 20 ^{hd} 22 ^{hd}
✓ 5	House Sparrow	3 ⁸⁺ 4 ⁸⁺ 5 ¹⁰⁺ 6 ¹²⁺ 7 ²⁰⁺ 8 ¹² 12 ¹⁵⁺ 14 ¹⁵⁺	3 ⁸⁺ 4 ⁸⁺ 5 ¹⁰⁺ 6 ¹²⁺ 7 ²⁰⁺ 8 ¹² 12 ¹⁵⁺ 14 ¹⁵⁺
✓ 6	Swift	4 ^{hd} 5 ^{hd} 6 ^{hd} 7 ^{hd} 8 ^{hd} 12 ^{hd} 14 ^{hd} 16 ^{hd}	4 ^{hd} 5 ^{hd} 6 ^{hd} 7 ^{hd} 8 ^{hd} 12 ^{hd} 14 ^{hd} 16 ^{hd}
✓ 7	Flicker	4 ^{hd} 6 ^{hd} 7 ^{hd} 8 ^{hd} 10 ^{hd} 12 ^{hd} 14 ^{hd} 15 ^{hd} 16 ^{hd} 19 ^{hd}	4 ^{hd} 6 ^{hd} 7 ^{hd} 8 ^{hd} 10 ^{hd} 12 ^{hd} 14 ^{hd} 15 ^{hd} 16 ^{hd} 19 ^{hd}
✓ 8	Oriole	5 ⁱⁿ 6 ⁱⁿ 7 ⁱⁿ 8 ⁱⁿ 12 ⁱⁿ 14 ⁱⁿ 15 ⁱⁿ 16 ⁱⁿ 17 ⁱⁿ	5 ⁱⁿ 6 ⁱⁿ 7 ⁱⁿ 8 ⁱⁿ 12 ⁱⁿ 14 ⁱⁿ 15 ⁱⁿ 16 ⁱⁿ 17 ⁱⁿ
✓ 9	Chaffinch	6 ⁱⁿ 7 ⁱⁿ 8 ⁱⁿ 10 ⁱⁿ 12 ⁱⁿ 14 ⁱⁿ 15 ⁱⁿ 16 ⁱⁿ 17 ⁱⁿ	6 ⁱⁿ 7 ⁱⁿ 8 ⁱⁿ 10 ⁱⁿ 12 ⁱⁿ 14 ⁱⁿ 15 ⁱⁿ 16 ⁱⁿ 17 ⁱⁿ
✓ 10	Rose br. Grosbeak	10 ^{hd} 12 ^{hd} 14 ^{hd} 15 ^{hd} 16 ^{hd} 17 ^{hd} 18 ^{hd} 19 ^{hd} 20 ^{hd} 21 ^{hd} 22 ^{hd} 23 ^{hd} 24 ^{hd} 25 ^{hd} 26 ^{hd} 27 ^{hd} 28 ^{hd} 29 ^{hd}	10 ^{hd} 12 ^{hd} 14 ^{hd} 15 ^{hd} 16 ^{hd} 17 ^{hd} 18 ^{hd} 19 ^{hd} 20 ^{hd} 21 ^{hd} 22 ^{hd} 23 ^{hd} 24 ^{hd} 25 ^{hd} 26 ^{hd} 27 ^{hd} 28 ^{hd} 29 ^{hd}
✓ 11	Bronzed Grackle	5 ⁱⁿ 6 ⁱⁿ 7 ⁱⁿ 8 ⁱⁿ 10 ⁱⁿ 12 ⁱⁿ 14 ⁱⁿ 15 ⁱⁿ 16 ⁱⁿ 17 ⁱⁿ 18 ⁱⁿ 19 ⁱⁿ 20 ⁱⁿ 21 ⁱⁿ 22 ⁱⁿ 23 ⁱⁿ 24 ⁱⁿ 25 ⁱⁿ 26 ⁱⁿ 27 ⁱⁿ 28 ⁱⁿ 29 ⁱⁿ	5 ⁱⁿ 6 ⁱⁿ 7 ⁱⁿ 8 ⁱⁿ 10 ⁱⁿ 12 ⁱⁿ 14 ⁱⁿ 15 ⁱⁿ 16 ⁱⁿ 17 ⁱⁿ 18 ⁱⁿ 19 ⁱⁿ 20 ⁱⁿ 21 ⁱⁿ 22 ⁱⁿ 23 ⁱⁿ 24 ⁱⁿ 25 ⁱⁿ 26 ⁱⁿ 27 ⁱⁿ 28 ⁱⁿ 29 ⁱⁿ
✓ 12	Goldfinch	14 ^{hd}	14 ^{hd}
✓ 13	Starling	19 ^{hd}	19 ^{hd}
✓ 14	Kingbird	20 ^{hd} 22 ^{hd} 27 ^{hd}	20 ^{hd} 22 ^{hd} 27 ^{hd}
✓ 15	Screech Owl	22 ^{hd}	22 ^{hd}
✓ 16	Wood Thrush	28 ^{hd}	28 ^{hd}
✓ 17	Hummingbird	29 ^{hd}	29 ^{hd}

✓ (Robin) 21^{hd} 22^{hd} 24^{hd} 25^{hd} 26^{hd} 27^{hd} 29^{hd}

Warblers, 29^{hd} one looked like a Titmouse, the other like a Yellow Warbler, I could not identify either.

CASH ACCOUNT. JULY.

Date.	Received.	Paid.
14 ² at 8 ^{at} 15 ³ at 10 ⁴ at 16 ² at 17 ² at 18 ¹ 19 ² 20 ¹	14 ² at 8 ^{at} 15 ³ at 10 ⁴ at 16 ² at 17 ² at 18 ¹ 19 ² 20 ¹	14 ² at 8 ^{at} 15 ³ at 10 ⁴ at 16 ² at 17 ² at 18 ¹ 19 ² 20 ¹
16 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹ 24 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹	16 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹ 24 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹	16 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹ 24 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹
16 ² 17 ² 18 ² 20 ² 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹	16 ² 17 ² 18 ² 20 ² 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹	16 ² 17 ² 18 ² 20 ² 25 ¹ 26 ¹ 27 ¹ 28 ¹ 29 ¹
15 ²⁰⁺ 16 ¹⁰⁺ 17 ¹⁰ 19 20 ¹⁰ 25 ¹²⁺ 26 ¹⁰⁺ 27 ¹⁰⁺ 28 ¹²⁺ 29 ¹⁵⁺	15 ²⁰⁺ 16 ¹⁰⁺ 17 ¹⁰ 19 20 ¹⁰ 25 ¹²⁺ 26 ¹⁰⁺ 27 ¹⁰⁺ 28 ¹²⁺ 29 ¹⁵⁺	15 ²⁰⁺ 16 ¹⁰⁺ 17 ¹⁰ 19 20 ¹⁰ 25 ¹²⁺ 26 ¹⁰⁺ 27 ¹⁰⁺ 28 ¹²⁺ 29 ¹⁵⁺
18 ¹ 22 ¹ 24 ¹ 25 ¹ 26 ¹ 29 ¹	18 ¹ 22 ¹ 24 ¹ 25 ¹ 26 ¹ 29 ¹	18 ¹ 22 ¹ 24 ¹ 25 ¹ 26 ¹ 29 ¹
21 ¹ 22 ¹ 24 ¹ 29 ¹	21 ¹ 22 ¹ 24 ¹ 29 ¹	21 ¹ 22 ¹ 24 ¹ 29 ¹
15 ¹ 16 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹	15 ¹ 16 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹	15 ¹ 16 ¹ 17 ¹ 18 ¹ 19 ¹ 20 ¹ 21 ¹ 22 ¹
19 ¹ 22 ¹ 26 ¹ 28 ¹ 29 ¹	19 ¹ 22 ¹ 26 ¹ 28 ¹ 29 ¹	19 ¹ 22 ¹ 26 ¹ 28 ¹ 29 ¹
18 ¹ 19 ¹ 20 ¹ 21 ¹ 27 ¹ 28 ¹ 29 ¹	18 ¹ 19 ¹ 20 ¹ 21 ¹ 27 ¹ 28 ¹ 29 ¹	18 ¹ 19 ¹ 20 ¹ 21 ¹ 27 ¹ 28 ¹ 29 ¹

CASH ACCOUNT. AUGUST.

Date.	Received.	Paid.
8 ² 9 ² 10 ² ad. 11' 12 ² 15' 16' 17' 26 ³ 27' 28' 29 ⁶ 31 ²		
11' 12' ^{early} 15' ^(Singing freely) 16' 17' 29 ²		
11 ² 15 ² 26' 31 ¹		
16 ² 17 ^{hd.} 28' 29 ²		
12 ⁴ ^{do.} 13 ^{hd.} ^{do.} 15 ⁴ ^{do.} 17 ² ^{do.} 26 ^{hd.} ^{do.} 30 ³ ^{at} ^{4 P.M.} 31 ⁶ ^{at} 5.30 P.M.		
31'		
		31 ² ^{juv} ⁸⁸
14 ¹ ^{ad} 15 ¹ ^{ad} 16 ¹ 17 ¹ 26 ¹ ^{ad} 1 juv 27' 28 ^{hd.} 29 ^{juv} 30 ^{hd.}		
31 ^{hd.} ^{coll.} ^{of} ^{ad.} No young seen or heard in Garden this summer.		
14 ^{do}		

11

Birds in our Garden, Cambridge.

CASH ACCOUNT.

SEPTEMBER.

Date.		Received.	Paid.
✓	Robin 1' 10 ²		
✓	Goldfinch 1 ♂ ad on sunflowers 10 ³ ad ♂♂ do.		
✓	Redstart 10' in 7 ft.		
✓	Red-eye Vireo 10'		

CASH ACCOUNT.

SEPTEMBER.

[illegible]

Birds in our Garden, Cambridge.

CASH ACCOUNT. NOVEMBER.

Date.		Received.	Paid.
✓ 1	<u>Robin</u> 6'		
✓ 2	<u>Chickadee</u> 6' 11' 14' 15' 16' ② 20' ⑥ 21' ^{hd.} 23'		
✓ 3	<u>White Throat</u> Sp. 6' 9' 10' 11' 12' 14' ⑧ 15' ②		
✓ 4	<u>Flicker</u> 9'		
✓ 5	<u>Downy</u> 10' 11' 21' ^{hd.}		
✓ 6	<u>Blue Jay</u> 10' 16' 18' ② 20' ② 21' ^{hd.} 26' ②		
✓ 7	<u>Wren</u> 10' ^{hd.} 24' ^{hd.}		
✓ 8	<u>Brown Creeper</u> 14' 15' 17' 18'		
✓ 9	<u>Gold Crest</u> 15' ② 16' ② 17' ② 19' ② 20' ②		
✓ 10	<u>Hermit Thrush</u> 19' ^{to museum} 20' ^{to}		
✓ 11	<u>House Sparrow</u> From 2 or 3 to 10 or 12, daily		
✓ 12	<u>Tree Sparrow</u> 24' ② in		
✓ 13	<u>Starling</u> 28' ④ in cherry tree, edge of Birch grove.		

CASH ACCOUNT. NOVEMBER.

Date.	Received.	Paid.
<p>4' 25-2'</p> <p>7' 18' 19 (4) in grape arbor eating grapes. 21 (4) in lilacs 24' 25' 26 (3) 27' 28'</p>		<p>29' 30'</p>
<p>1 bud 24 bud - 30 bud,</p>		

Birds in our Garden, Cambridge.

CASH ACCOUNT. DECEMBER.

Date.	Received.	Paid.
✓ 1	Brown Creeper. 1 on trunk diverway elm.	
✓ 2	Gold-crest 1 hd. 17 hd. 19'	
✓ 3	White Throat S. 1 hd. 4' 5' 7 ⁽⁴⁾ in grape arbor 8 hd. 11' 12' 13'	
✓ 4	Blue Jay 1 hd. 16 ² 17' 21' 23' 26 ²	
✓ 5	Starling 4 15 ⁺ eating from grapes 23 eating Park. apples 9 5 ⁺ 10 5 ⁺	
✓ 6	House Sparrows 4 12 ⁺ + one with white crown 14 30 ⁺ 15 ²⁰	
✓ 7	Robin 7 ² eating Park. apples. 8' do. 9' do. 10 ² do. 13 ² do. 14 ²	
✓ 8	Chickadee 9 hd. 10 hd. 12 hd. 13' 14' 15 ³ at suet	
✓ 9	Downy W. 12 heard 17 ¹ in jungle 2 ¹ in Catalpa	
✓ 10	Purple Finch 14 ♂ in Park. 15 ¹ in apple tree 15 eating P. apples.	
✓ 11	Crow 16 heard after 18 ¹ in linden 19' 21 hd.	

CASH ACCOUNT. DECEMBER.

Date.	Received.	Paid.
	1 on West. window sill 14 ² 15 ^{hd} 17' 18 ¹ in 21' 24' 26'	
	(27 ⁴ do. 28 ⁸ do. 29 ⁸ do. 30 ²	
	14 ⁷ do. 15 ¹ do. 16 ⁵ do. 17 ¹² do. 18 ²⁰ do. 19 ¹² do. 24 ⁴ do. 25 ⁸ do. 26 ⁸ do.	
	16 ³⁰ do. 17 ¹⁵ do. 18 ¹⁵ do. 19 ¹² do. 20 ¹² do. 21 ¹² do. 22 ¹² do. 23 ⁶ do. 26 ¹²	
	15 ²	(29 ³ 30 ³)
	19 ⁶ 20' 21 ³ 22 ³ 23 ³ 24 ³ 25 ^{hd} 26' 27 ³ 28 ⁶ do.	
	21 ¹ do. 22 ^{hd}	
	25 ¹ in linden. 27 ³ in jungle 28 ³ 30 ¹ in cherry tree	

Birds noted at Glendale, Aug 18-25

SUMMARY OF CASH ACCOUNT.

		Received.	Paid.
JAN.	Robin 18' 19' 20' 21' 22' 23' ad full young		23'
	Wren 18 th y		
FEB.	Chickadee 20' 25'		
	Red-eye V. 20' 21' 22' 25'		
MAR.	Solitary " 19' 25'		
	Tanager 19'		
APRIL	Goldfinch 19' 24' 25'		
	Song Sp. 19' 21' 22'		
MAY	Chiffy 19' 23' 25' in w. place.		
	Cedar bird 19' 6 ad. 21' 22' 24' 19' 24' 30'		
JUNE	Humming " 19' w.t.		
	Swift 19' 20' 24' 25'		
JULY	Barn Sw. 19' 24'		
	Crow 19' 20' 22' 24' 25'		
AUG.	Jay 19' 20' 22' 25' 26'		
	Partridge 19' 21'		
SEPT.	Barred Owl 19' on hill at 24' about day break		
	Sharp-shin Hawk 20'		
OCT.	Wood Pewee 21' 22'		
	Mitchell White br 21' 22' 25'		
NOV.	Thruer 21' 22'		
	Downy 22'		
DEC.	Bobolink 22' 24' 25' at 10 P.M.		
	Kingbird 22'		

Birds noted at Glendale, Aug 18-25

MEMORANDA.

Date.	Dollars.	Cts.
Black-bill Cuckoo 19' 22'		
Browned Grackle 22' 30' in trees near house		
Bobolink 22' 25' call		
Oriole 19' 22' 25'		
Phoebe 22'		
Swamp Sp. 22' 25'		
Maryland Yellow Thr. 22'		
Cat bird 22'		
Chestnut Side W. 23' 3 juv in thicket close to house		
Aug. 20 Heavy fog. flight Warblers 10-11 P.M.		
" 22 a few Warblers passing 9 P.M.		
" 24 " " " 10 " "		

MEMORANDA.

[illegible]

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[illegible]

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MEMORANDA.

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[illegible]

BILLS PAYABLE.

[illegible]

BILLS PAYABLE.

[illegible]

BILLS RECEIVABLE.

[illegible]

BILLS RECEIVABLE.

Date.	NAME.	Dollars.	Cts.
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ADDRESSES.

NAME. R. A. Gilbert
 STREET, No. 66 Inman St.
 CITY. Cambridge
 TELEPHONE No. 5-312 M. (Cambridge)

NAME. Percy G. F. Harris
 STREET, No. Oxford St.
 CITY. Cambridge
 TELEPHONE No. 3286 - W. Boarding House at night
 6652 - W. Museum by day

NAME. Mrs Charles E. Little
 STREET, No. (Rebecca Parks ")
 CITY. Merrimac.
 TELEPHONE No.

NAME. Mr. & Mrs. D. W. Gould
 STREET, No. (Blara Augusta ")
 CITY. Merrimac
 TELEPHONE No.

NAME. Charles Amos Hoiges
 STREET, No.
 CITY. Merrimac
 TELEPHONE No.

NAME. William J. Brewster
 STREET, No. Herbert's House
 CITY. Hartsdale, New York
 TELEPHONE No.

ADDRESSES.

NAME. Arthur F. Estabrook
 STREET, No. 40 American Colonial Bank
 CITY. San Juan, Porto Rico
 TELEPHONE No.

NAME. C. A. Robbins
 STREET, No.
 CITY. Onset, Mass
 TELEPHONE No.

NAME. F. H. Allen
 STREET, No. 215 La Grange St.
 CITY. West Roxbury
 TELEPHONE No.

NAME. Walter M. Brackett
 STREET, No. 154 Boylston St.
 CITY. Boston
 TELEPHONE No.

NAME. Charles L. Whittle
 STREET, No. 50 Congress St.
 CITY. Boston
 TELEPHONE No.

NAME. Campbell Bosson
 STREET, No. State Street
 CITY. Boston
 TELEPHONE No.

ADDRESSES.

NAME. R. H. Dana
 STREET, No. 10 Post Office Square
 CITY. Boston
 TELEPHONE No.

NAME. Mrs. Lora Simbolotti
 STREET, No. 84 St. Botolph St.
 CITY. Boston (Type writer rec'd by Miss Piper)
 TELEPHONE No.

NAME. F. G. Hovestadt (Dealer in
 STREET, No. 78 Canal Pigeons, Dogs,
 CITY. Boston Goldfish etc.)
 TELEPHONE No. 2941 Haymarket

NAME. Haupt - Herman Jr.
 STREET, No. 1102 Church St.
 CITY. Evanston, Illinois
 TELEPHONE No.

NAME. Mrs. Thos. S. Farley
 STREET, No. Richmond Road
 CITY. South Euclid
 TELEPHONE No. Ohio

NAME. George D. Jefferson
 STREET, No. 35 Bryanston St.
 CITY. London W. I.
 TELEPHONE No.

ADDRESSES.

NAME. Miss Maynard Butler
 STREET, No. 35 Langdon / Sesame Club, Dover St
 CITY. Cambridge, Mass. / Picadilly, London W.
 TELEPHONE No.

NAME. Miss Adelaide & Miss Jane Stockwell
 STREET, No. 91 Spring St.
 CITY. Watertown, Mass.
 TELEPHONE No.

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Gray Squirrel

April 19. One shot in elm over lane.
 " 25 " " (22 cal. rifle) in Run,
 May 7 Two (69/4 (20 g. gun) " "
 " 24 One " " " Prescott fives
 " 30 " " " " " "
 " " " " " " " Pulpit Rock
 Sept 2 " " 12 " " Brecknall
 " 19 " " 22 cal. rifl. Oak in lane
 " 22 " " 20 g. gun - " " "
 Oct 1 " " " " " F. dooryard.
 " 8 " " " " " Green tree of barn
 " 10 " " " " " "
 " 18 Two " 22 cal. rifl. Cedar Park.
 " 20 One " " " " "
 " 26 Two " " " " "

Red Squirrel ^{26 Grows} May 29. One shot (22 cal. 2.) in clear
in choward just after a Robin had driven it
from nest in front of house
June 2. One (juv) shot at house. It was exploring corner
part of it desperately.
Sept. 29. One shot 20g. Spring (mistaken for Gray Squirrel)

Chapman ^{not} 2 short in diary and (Digging across Gulch)

Crows - Sept 2. ~~two shot~~ (12 g.) Rem.
Oct 12 on " 20 g. Retchin' pl.

Field Mouse. Jan 3. 1 shot in cold flower bed.
when he has been doing much harm.

Blue Jay 1 shot (205-) in Birch Field (egg rotten)

House Sparrows - May 7. 2 ♀ shot in Forsyth's bushes.

Bats in shed loft, Concord.

June 8 - 11 in outer shed loft.

OBITUARY

Boston Advertiser

Oct. 20, 1917.

George V. Leverett

George Vasmer Leverett, 71, consulting counsel and former general counsel of the American Telephone & Telegraph Company, is dead at his home on Beacon st. He was one of the telephone pioneers.

Mr. Leverett was born in Charlestown in 1846. His parents were Daniel and Charlotte (Betteley) Leverett. He graduated from Harvard in 1867, and received from the university his LL.B. degree in 1869 and that of A.M. in 1870. He began to practice law in Boston in 1871, and had since that beginning been prominent in his profession. Until the death, in 1902, of Prof. James B. Thayer of the Harvard Law School, Mr. Leverett was associated with him in law practice.

In 1886 Mr. Leverett became identified with the American Bell Telephone Co. and the American Telephone and Telegraph Co., first as official attorney, then as counsel and general counsel. He had been a director of the Conveyancers' Title Insurance Co., the State Trust Co., and other corporations.

In his private life Mr. Leverett was a member of the Colonial Society of Massachusetts, the Harvard Club and University Club, in New York, and the corresponding clubs in Boston, as well as the Union Club here, the Boston Athletic Assn. and the Oakley Country Club. He belonged also to the University Club in Chicago. He was a Fellow of the American Academy of Arts and Sciences. He married on April 3, 1888, Mary E. L. Tebbetts, of Cambridge, whom he had outlived. *Mr. L. died on the*

night of Thursday, Oct. 18, 1917

